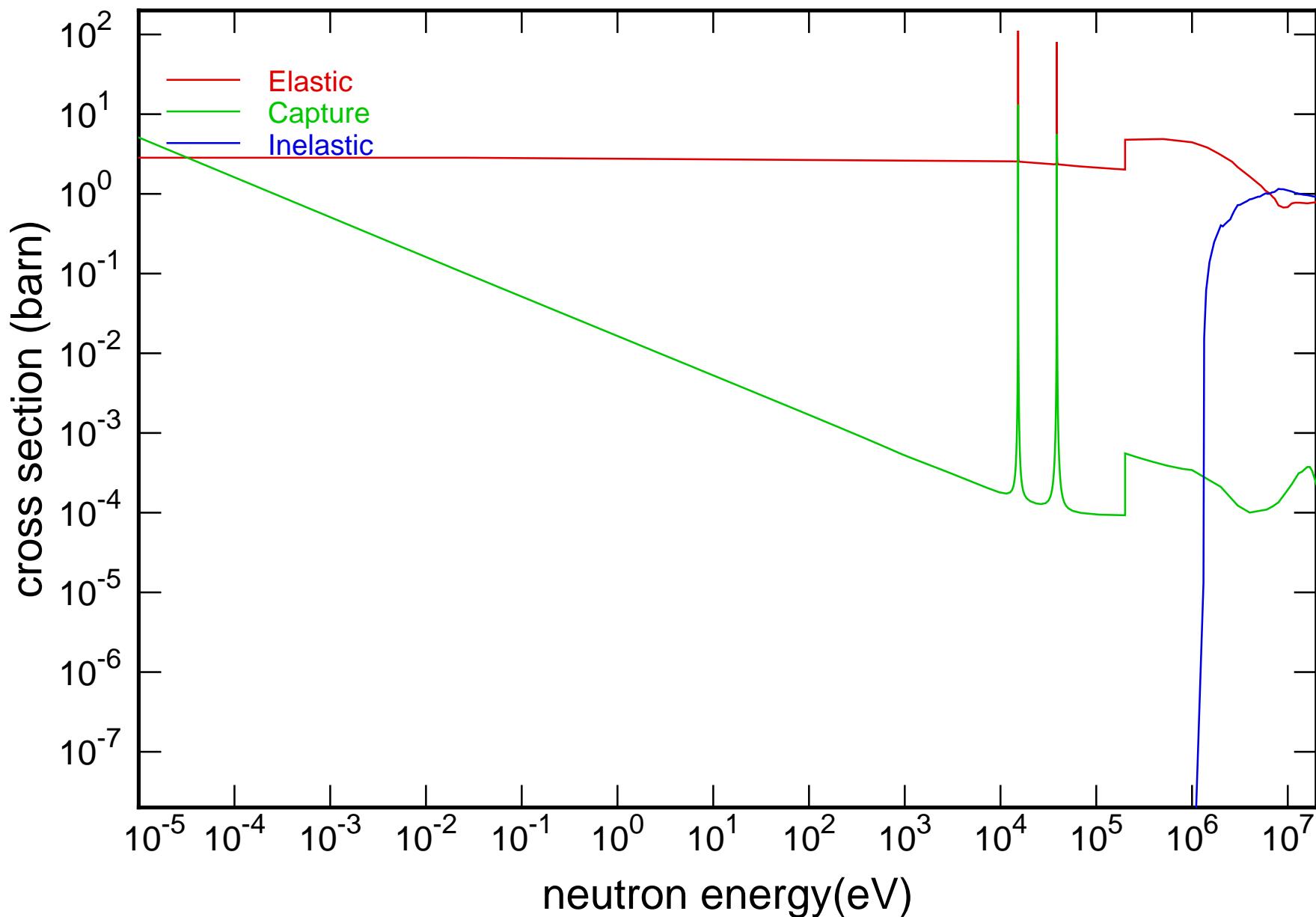
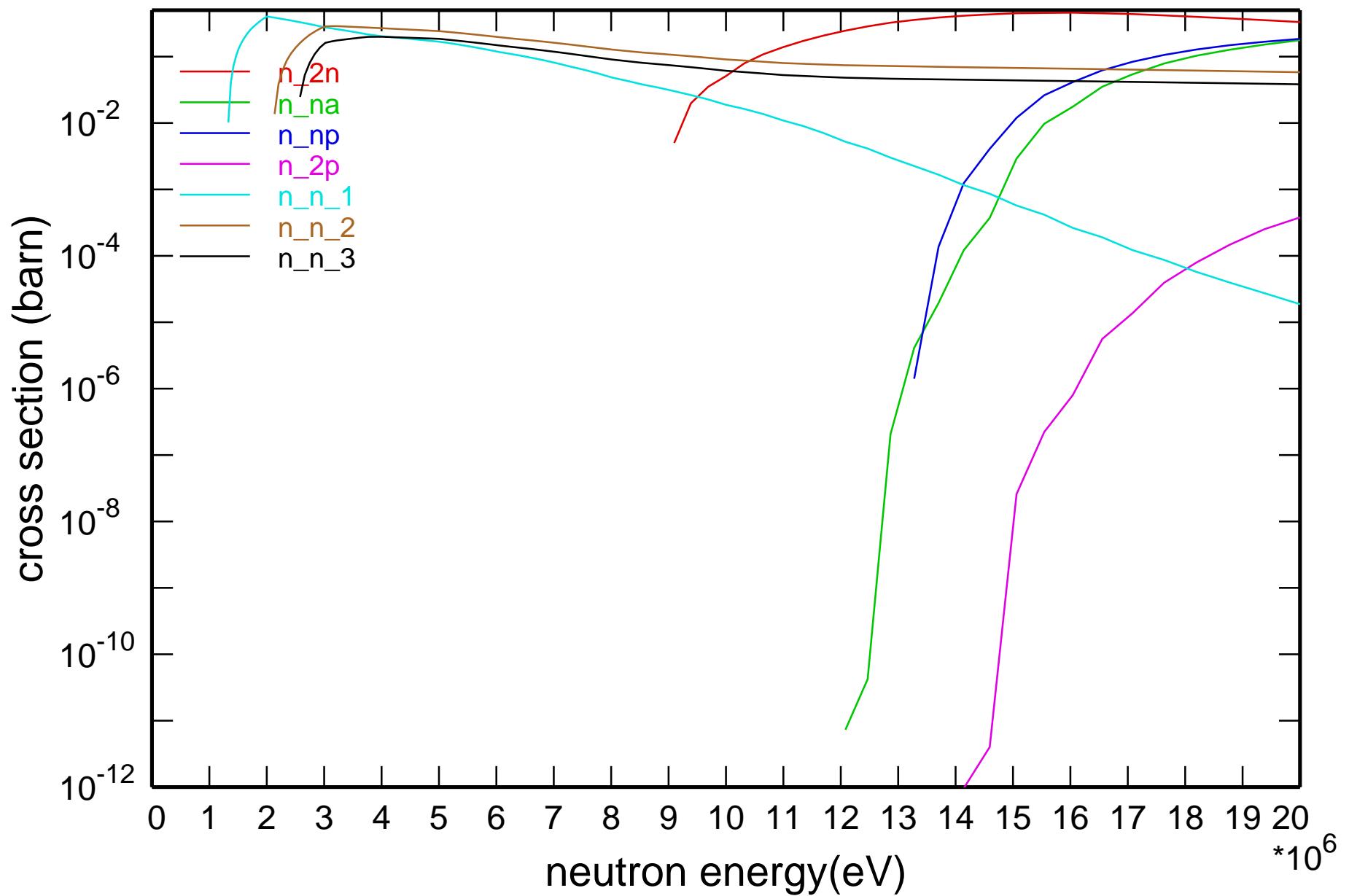


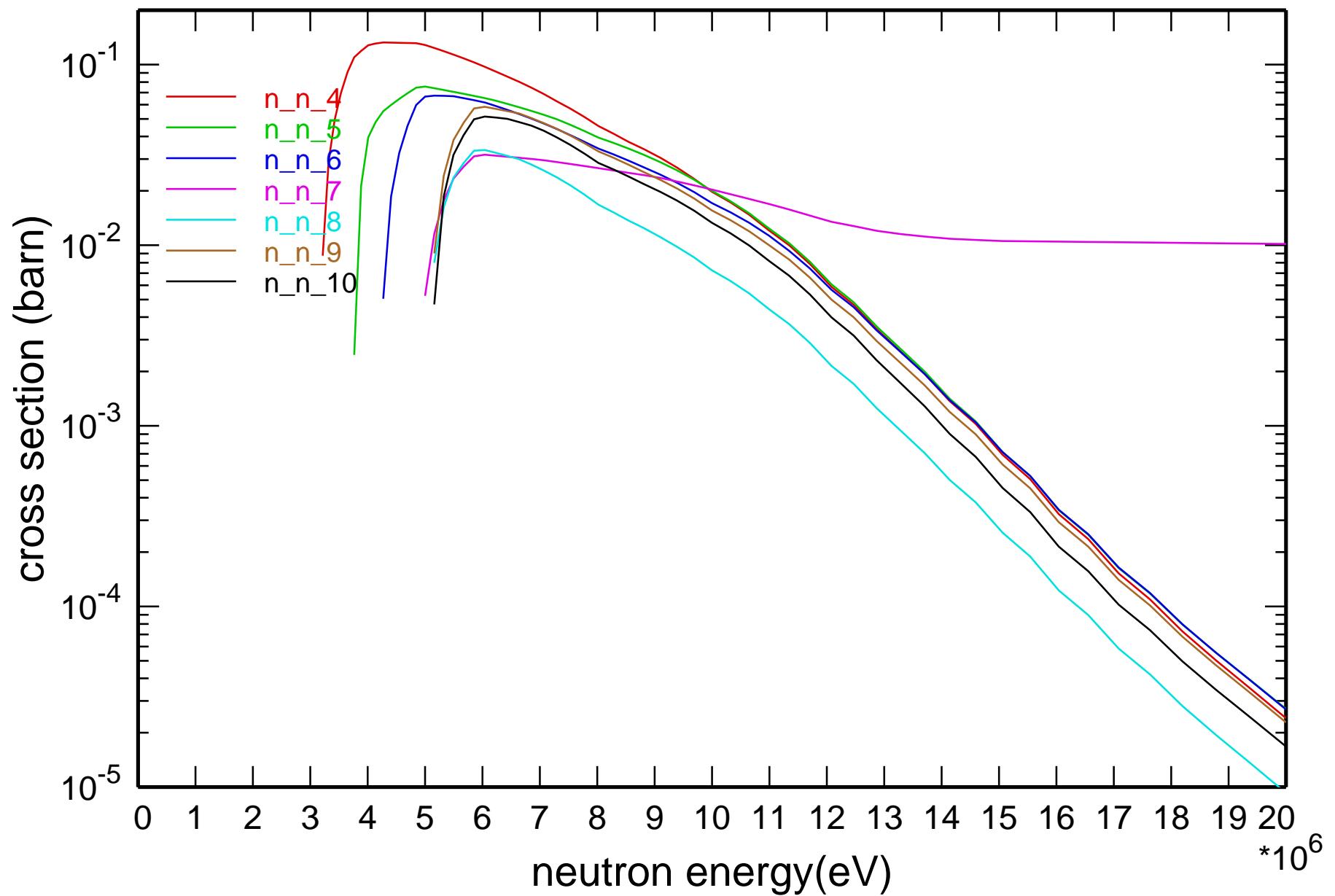
Main Cross Sections



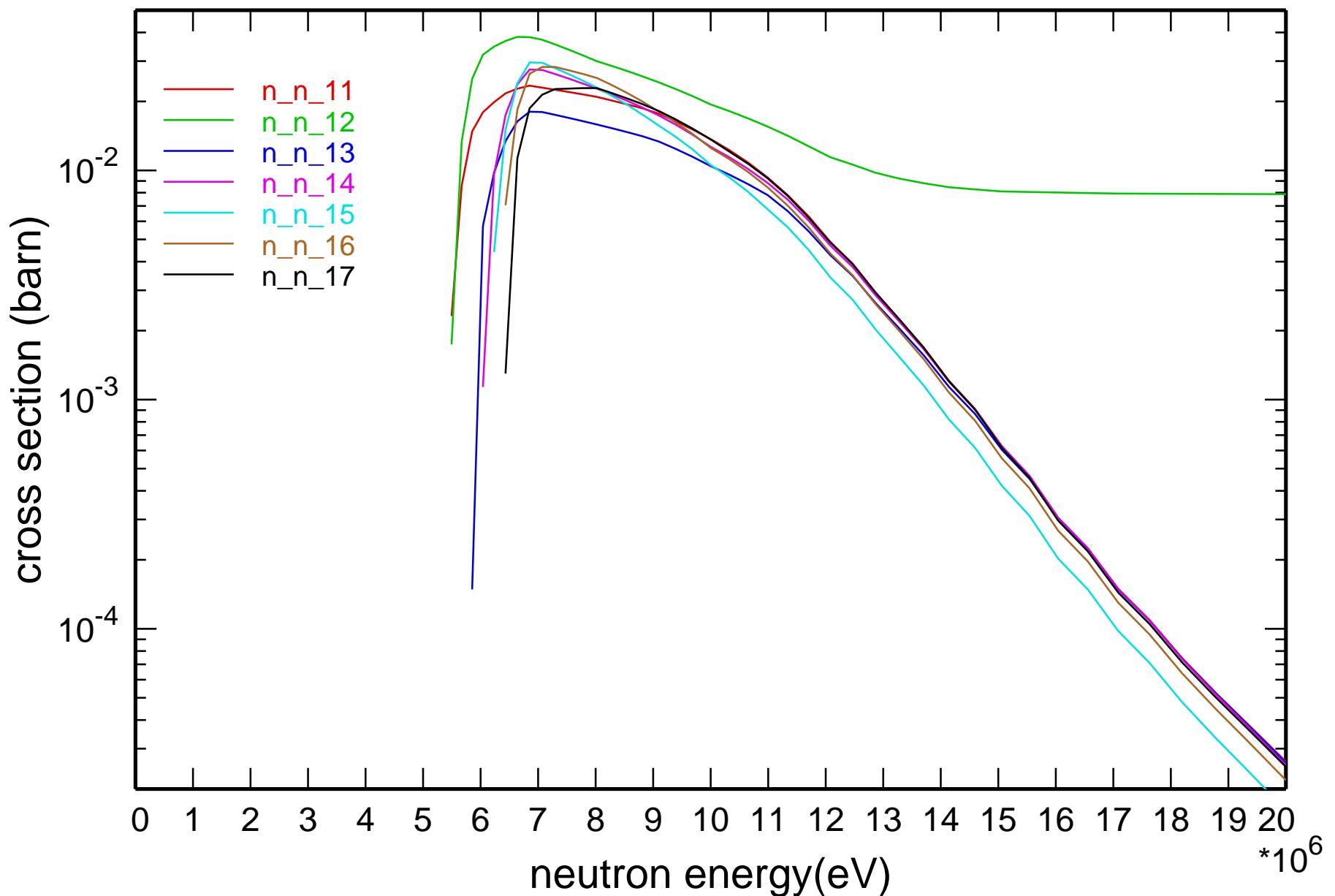
Cross Section



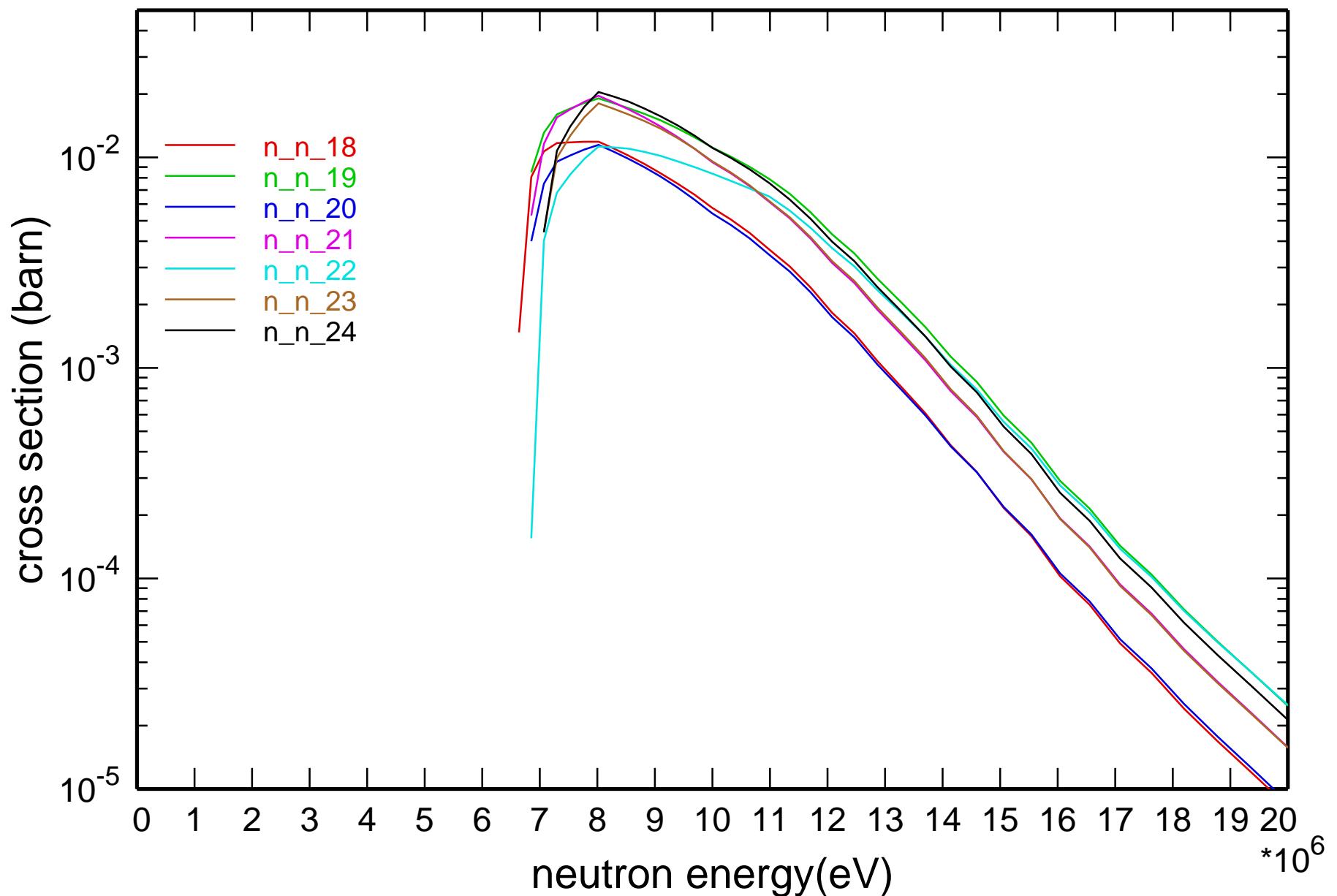
Cross Section



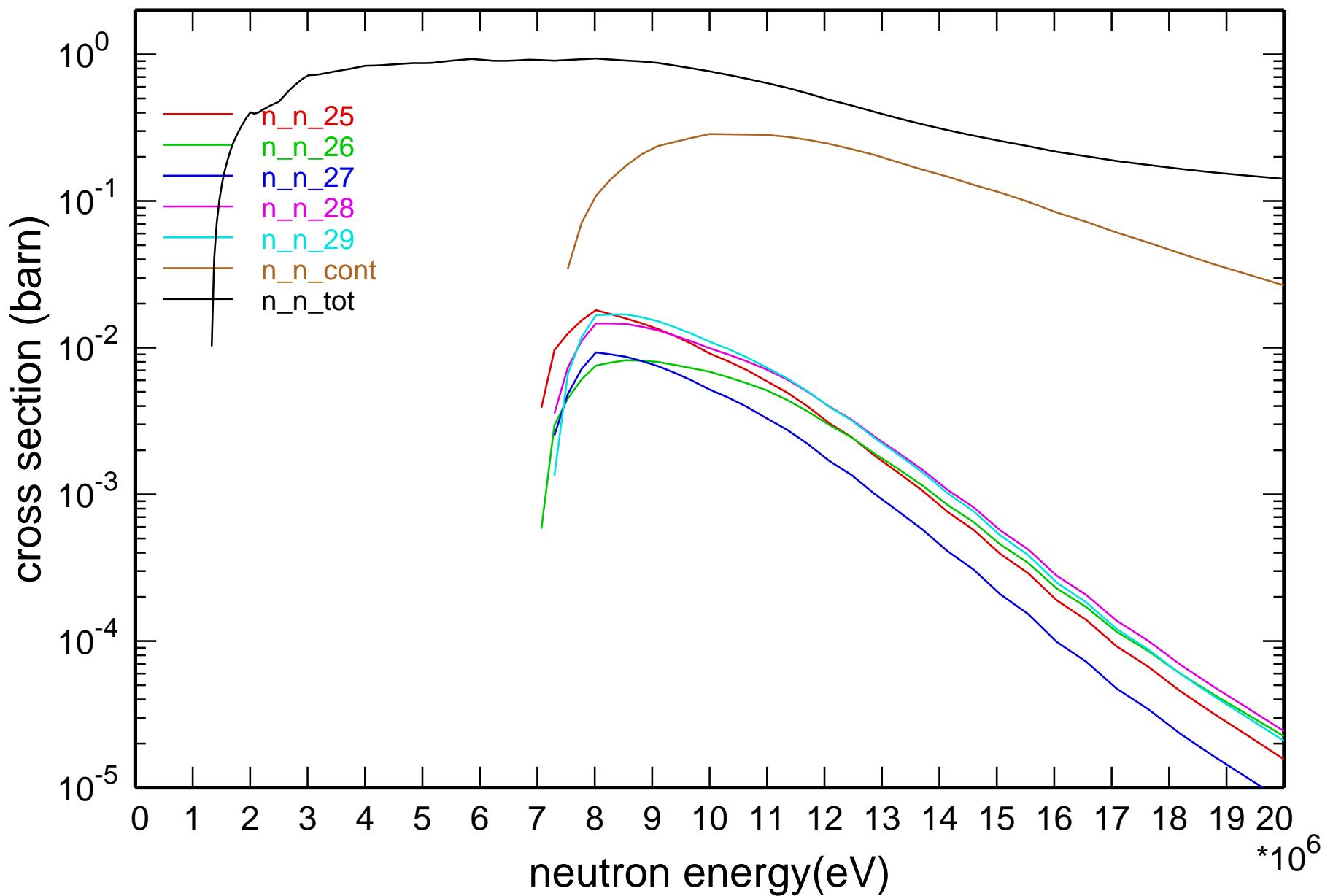
Cross Section



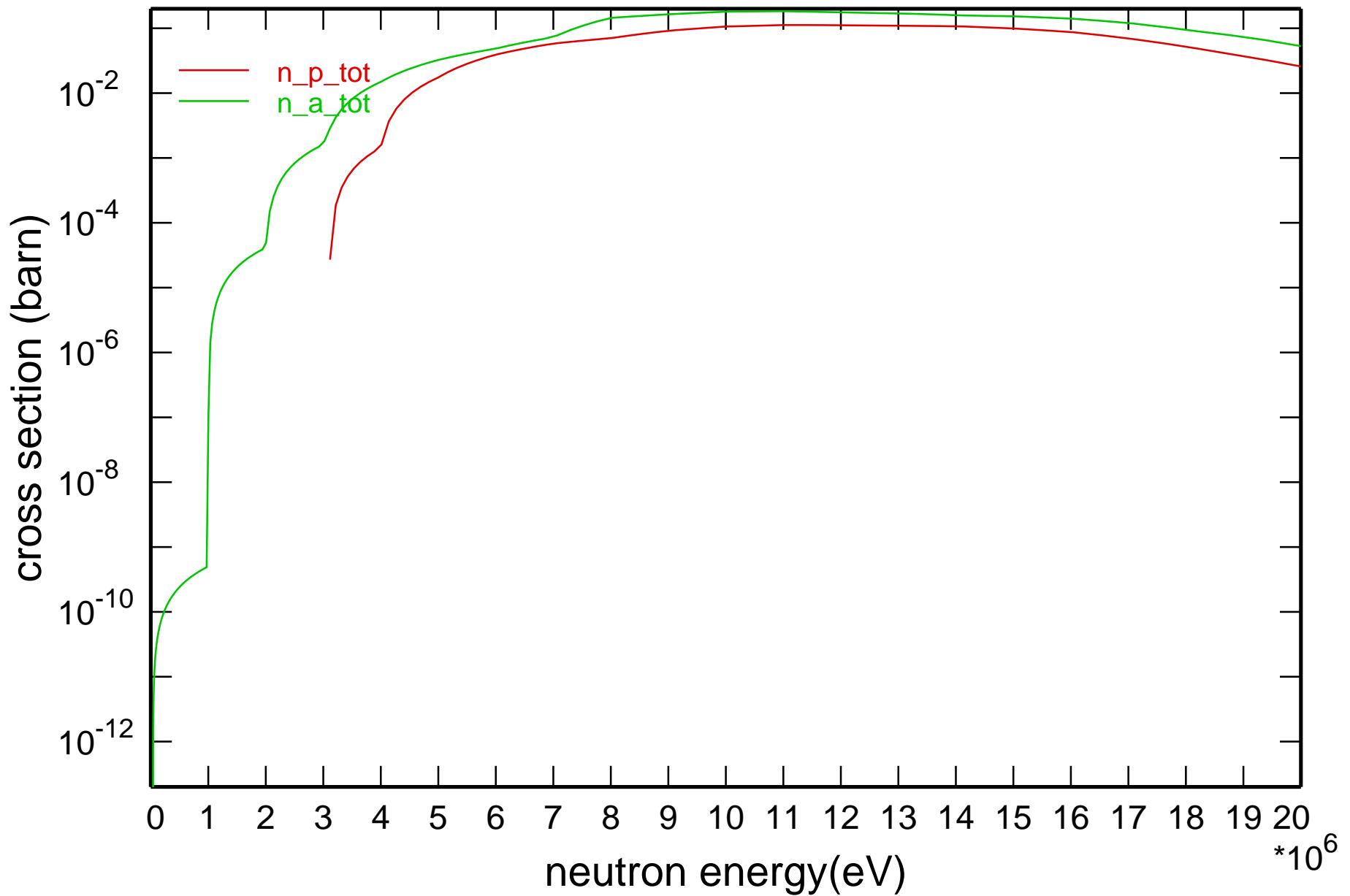
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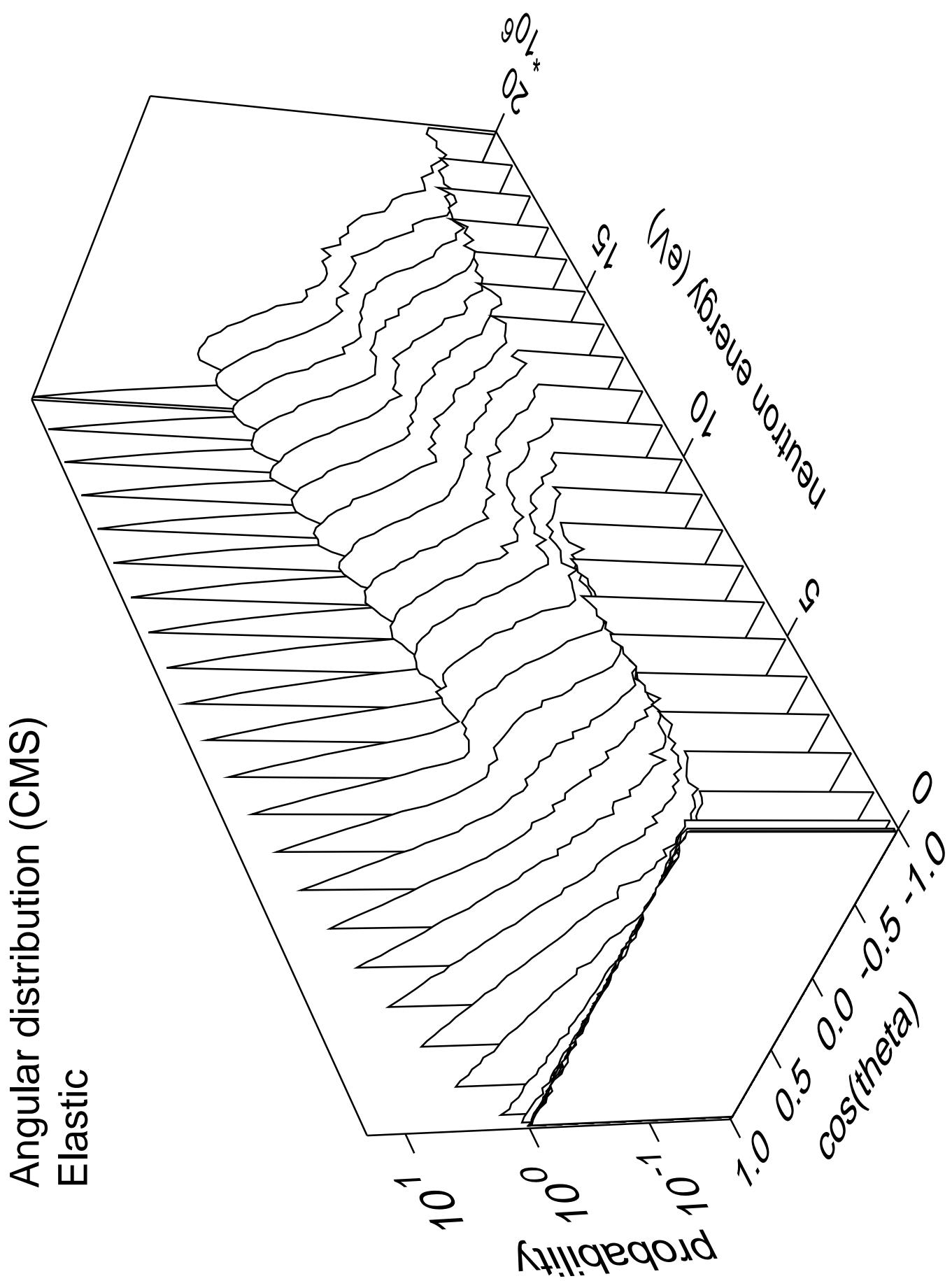


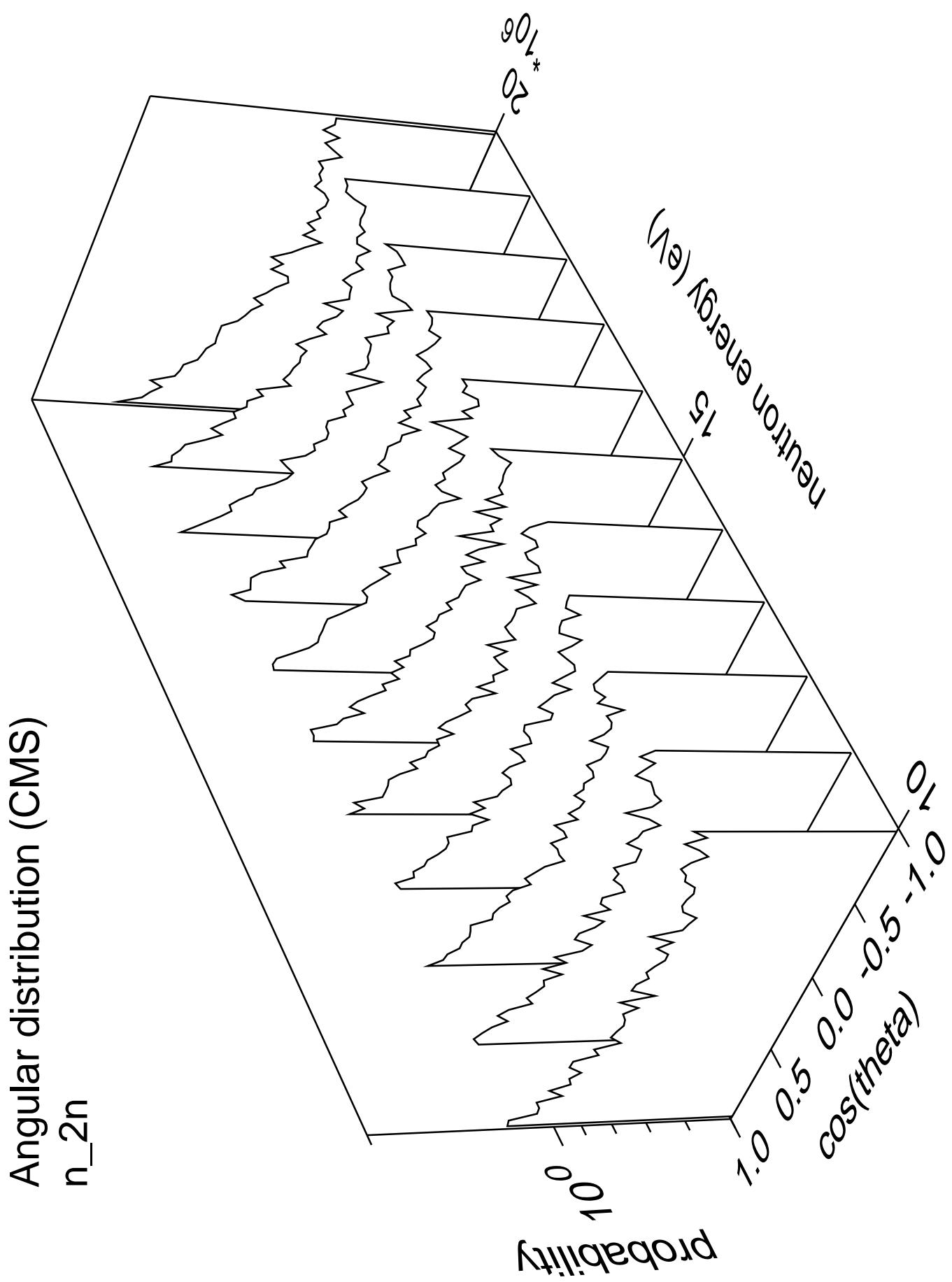
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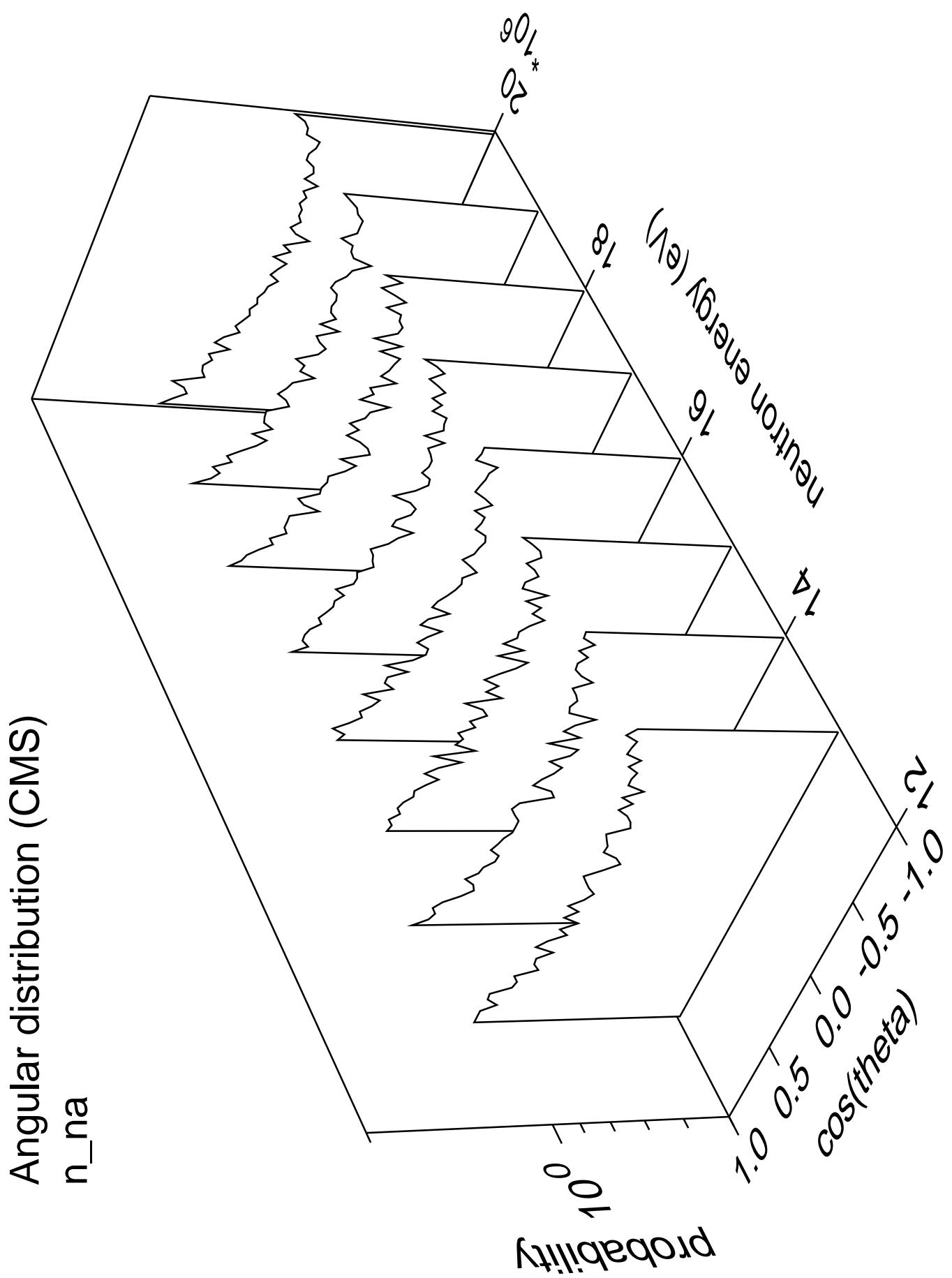


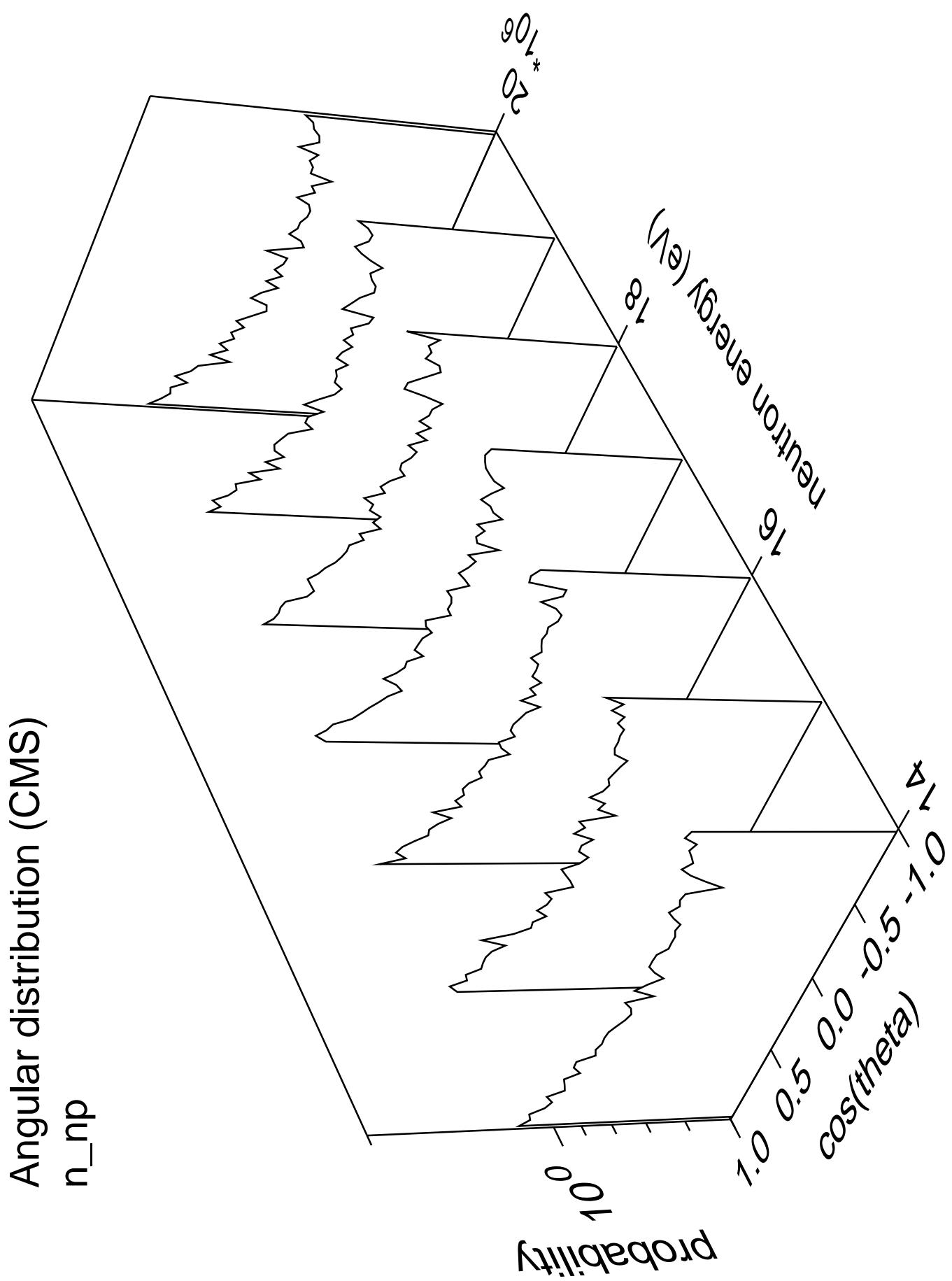
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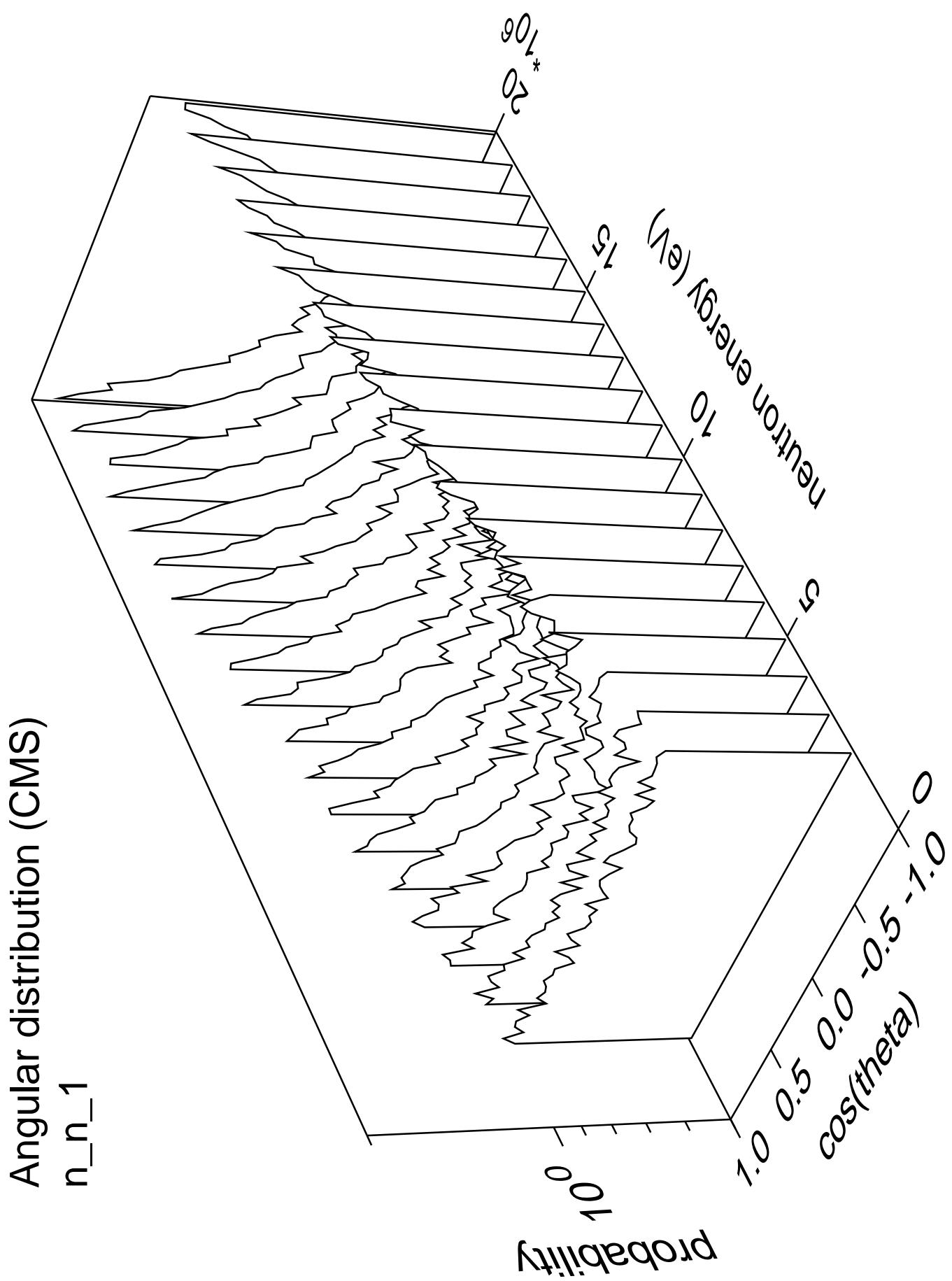


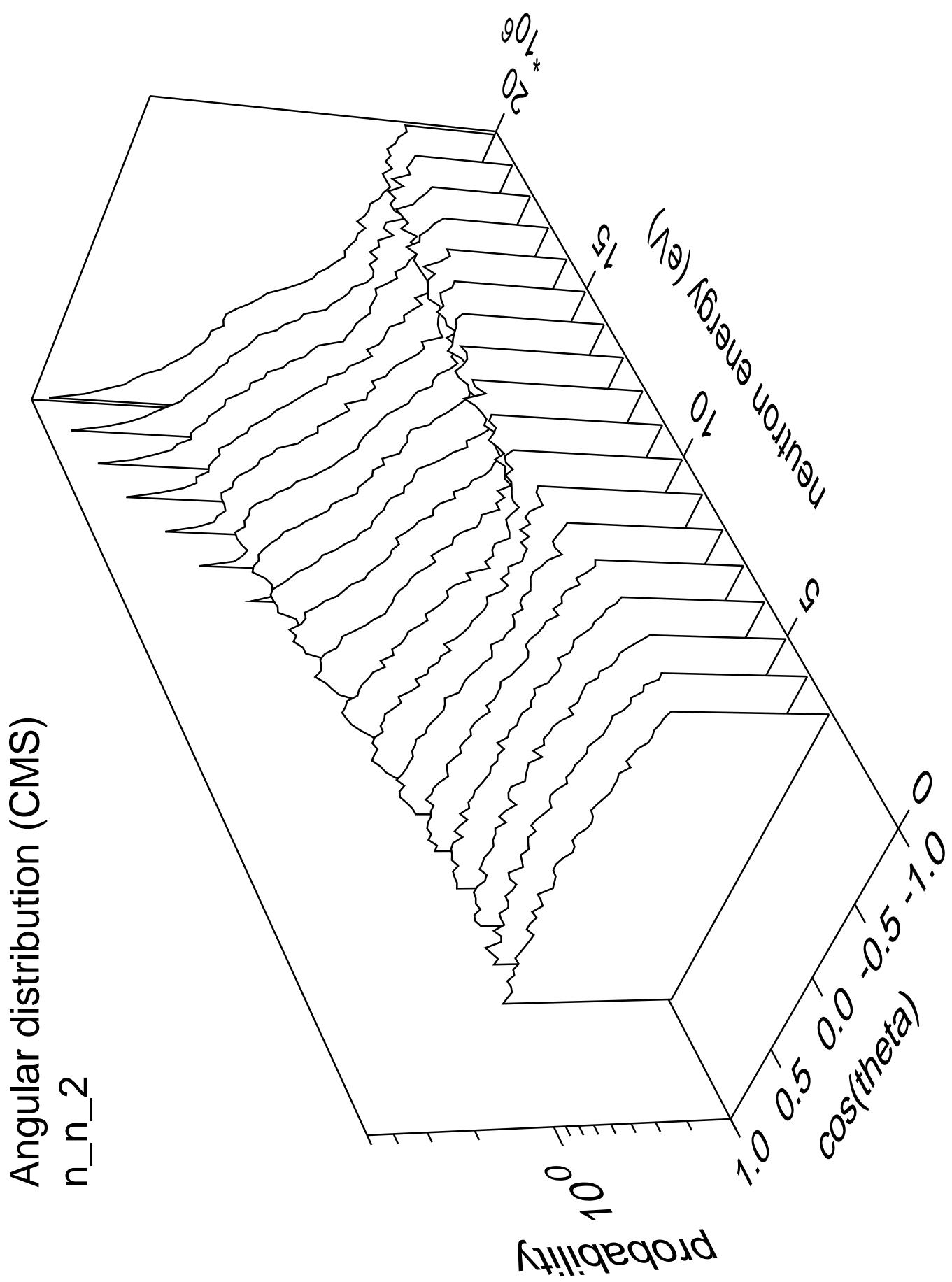


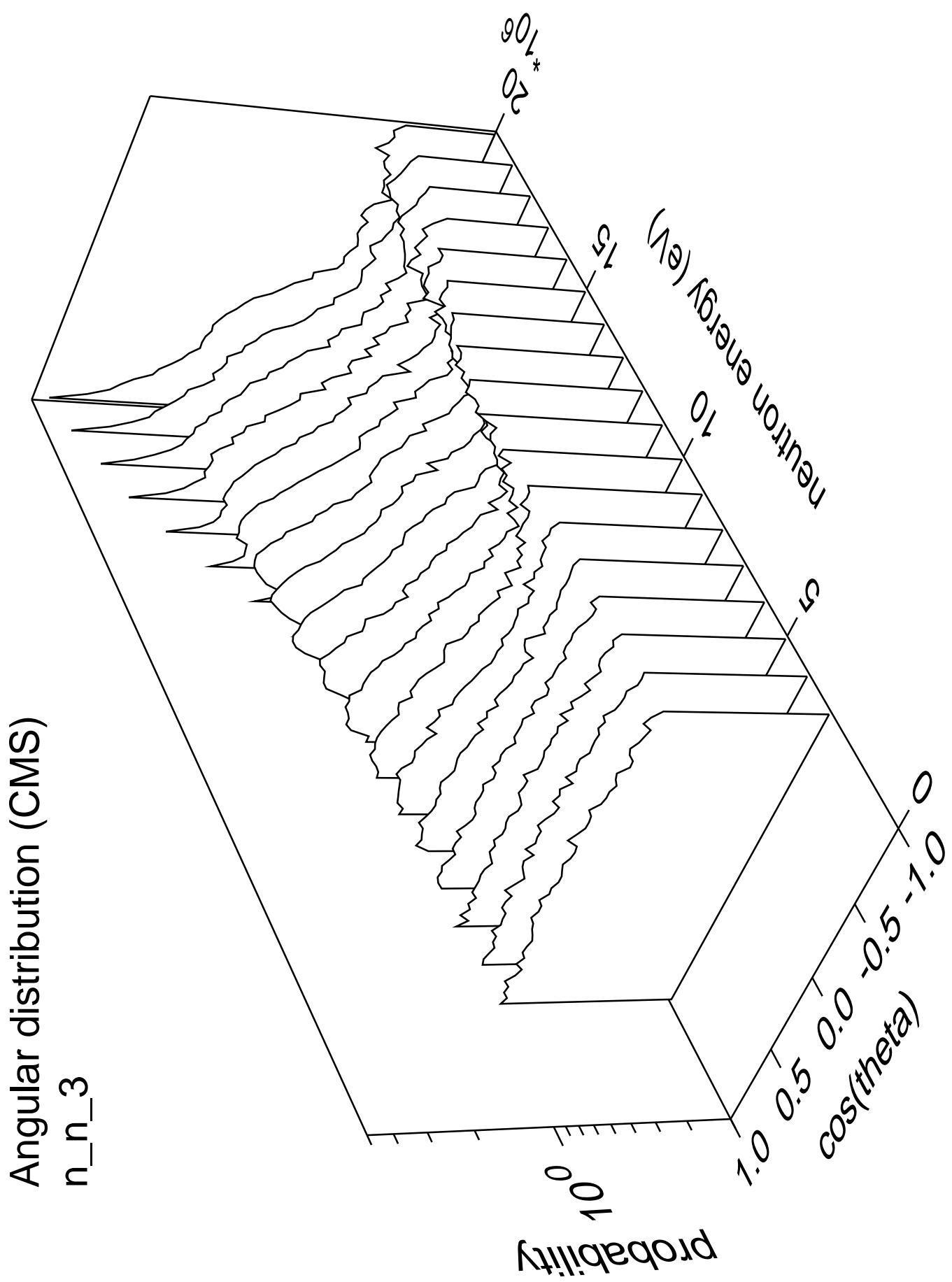


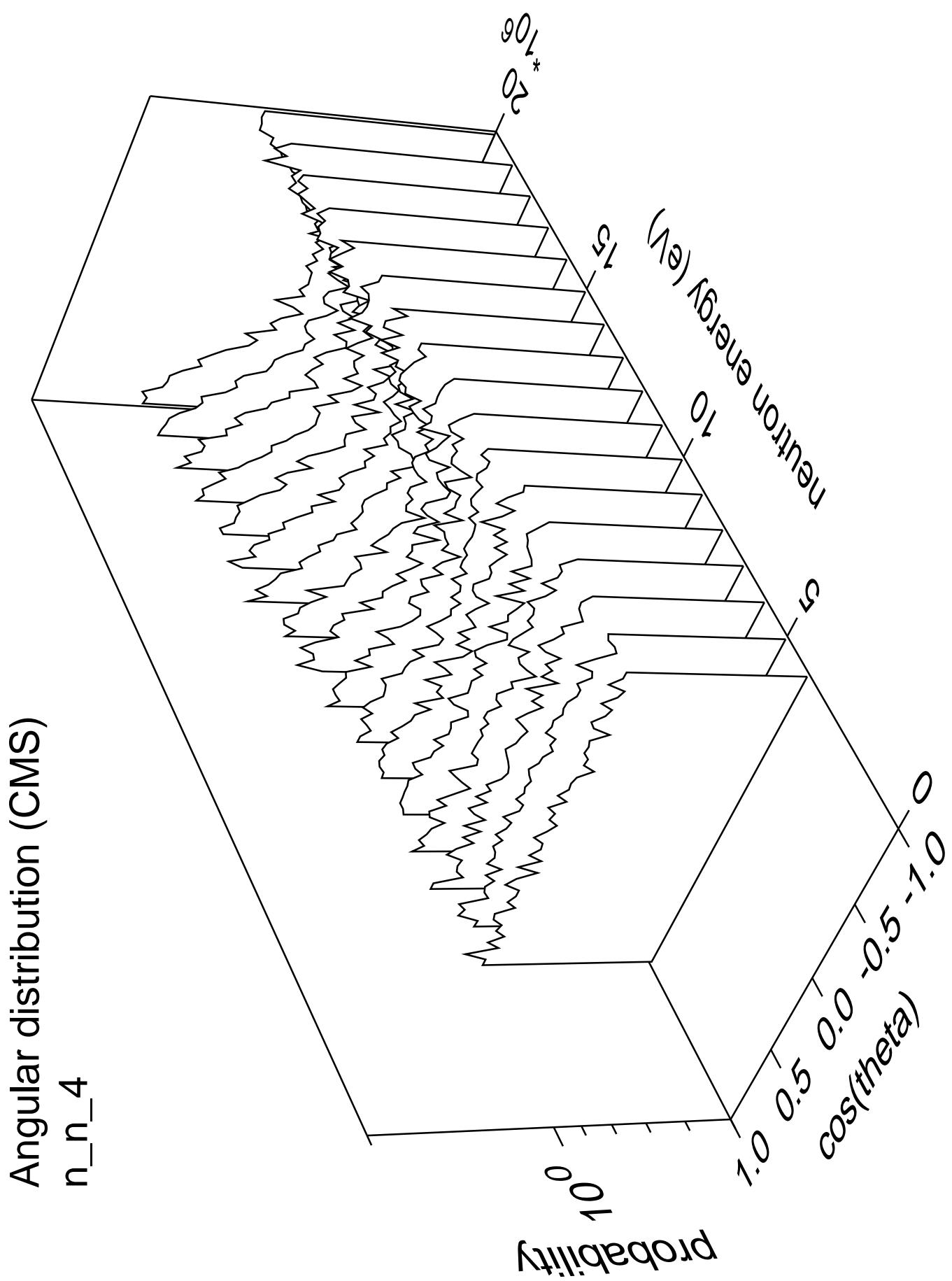


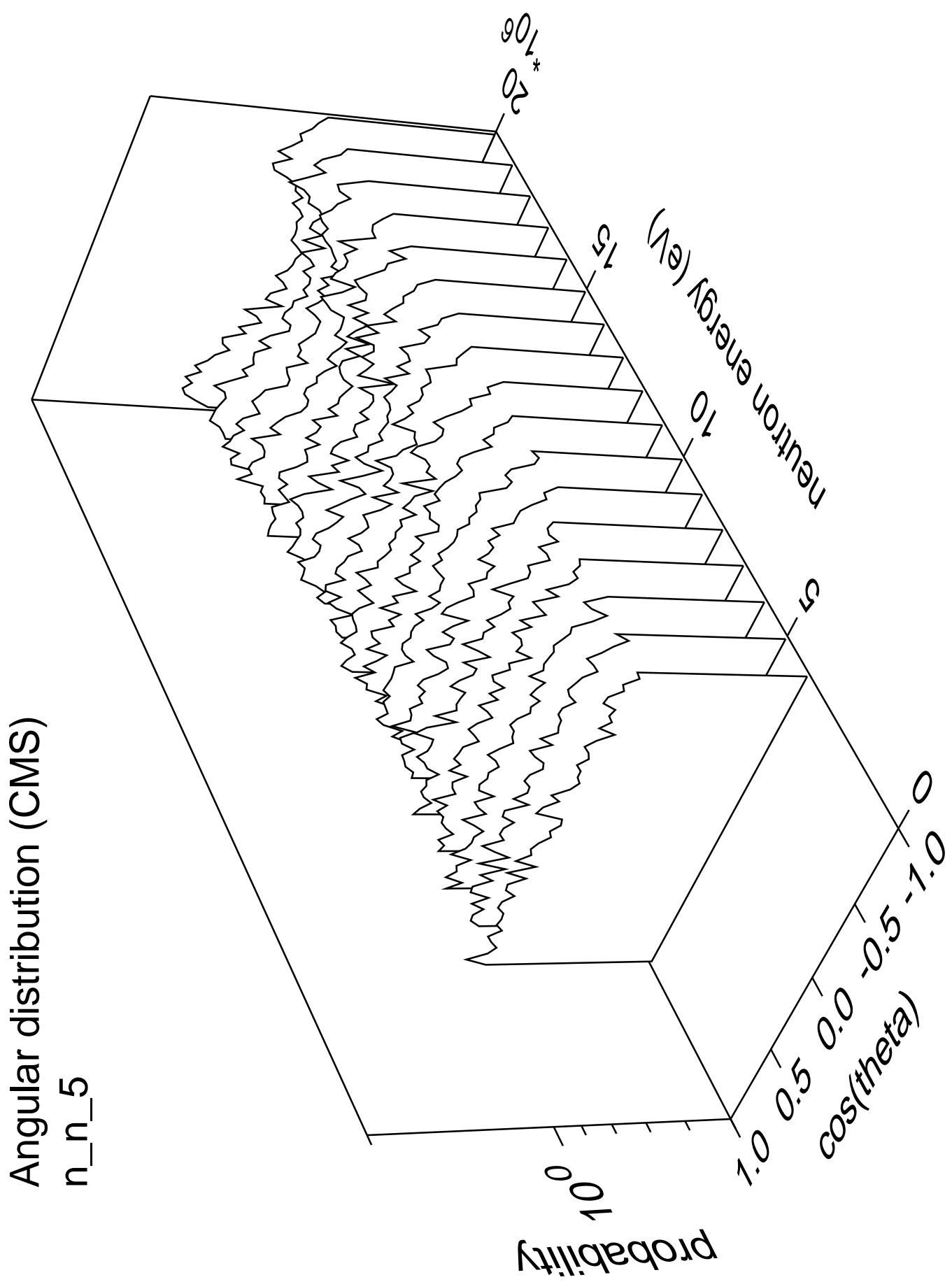


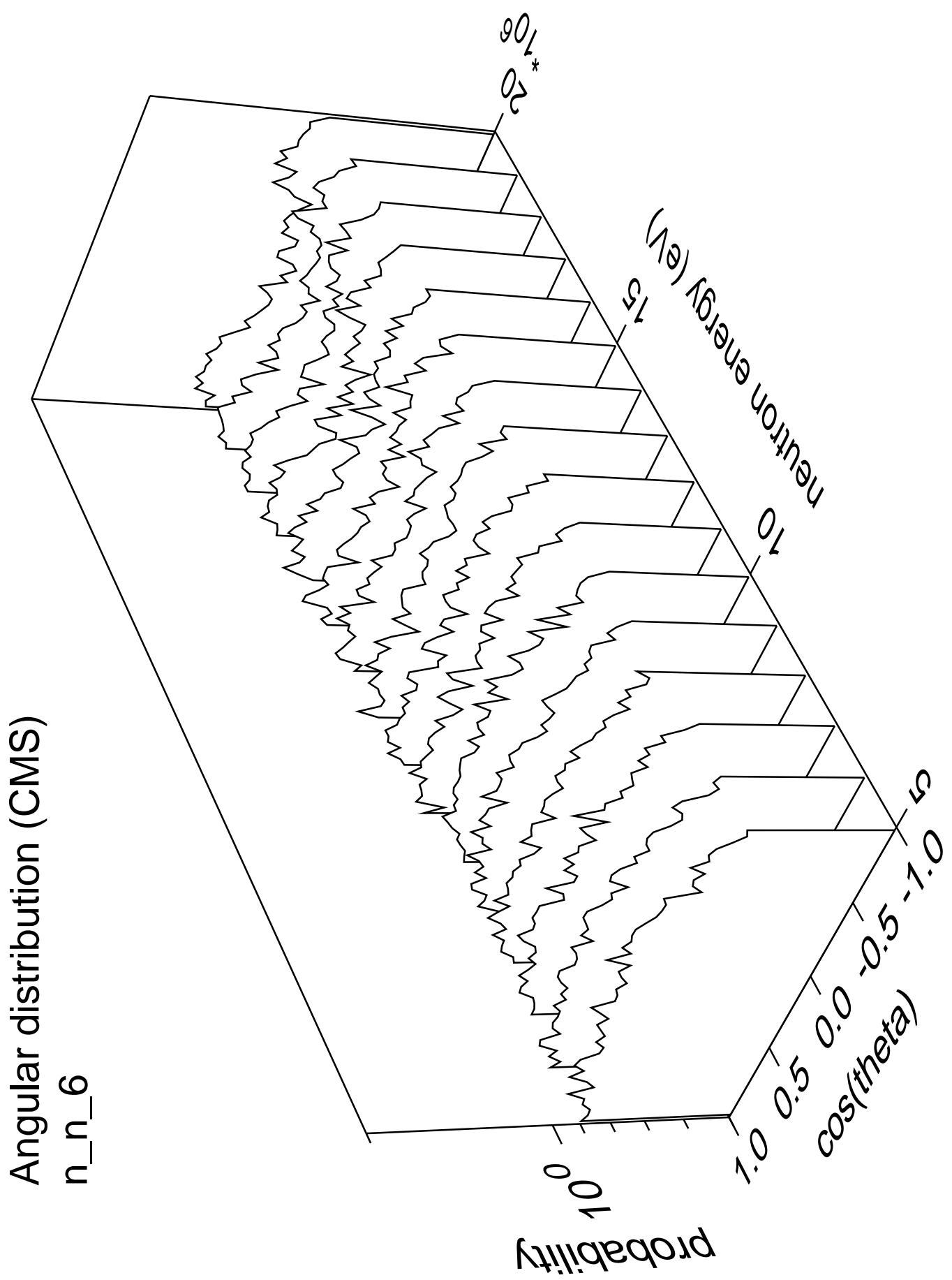


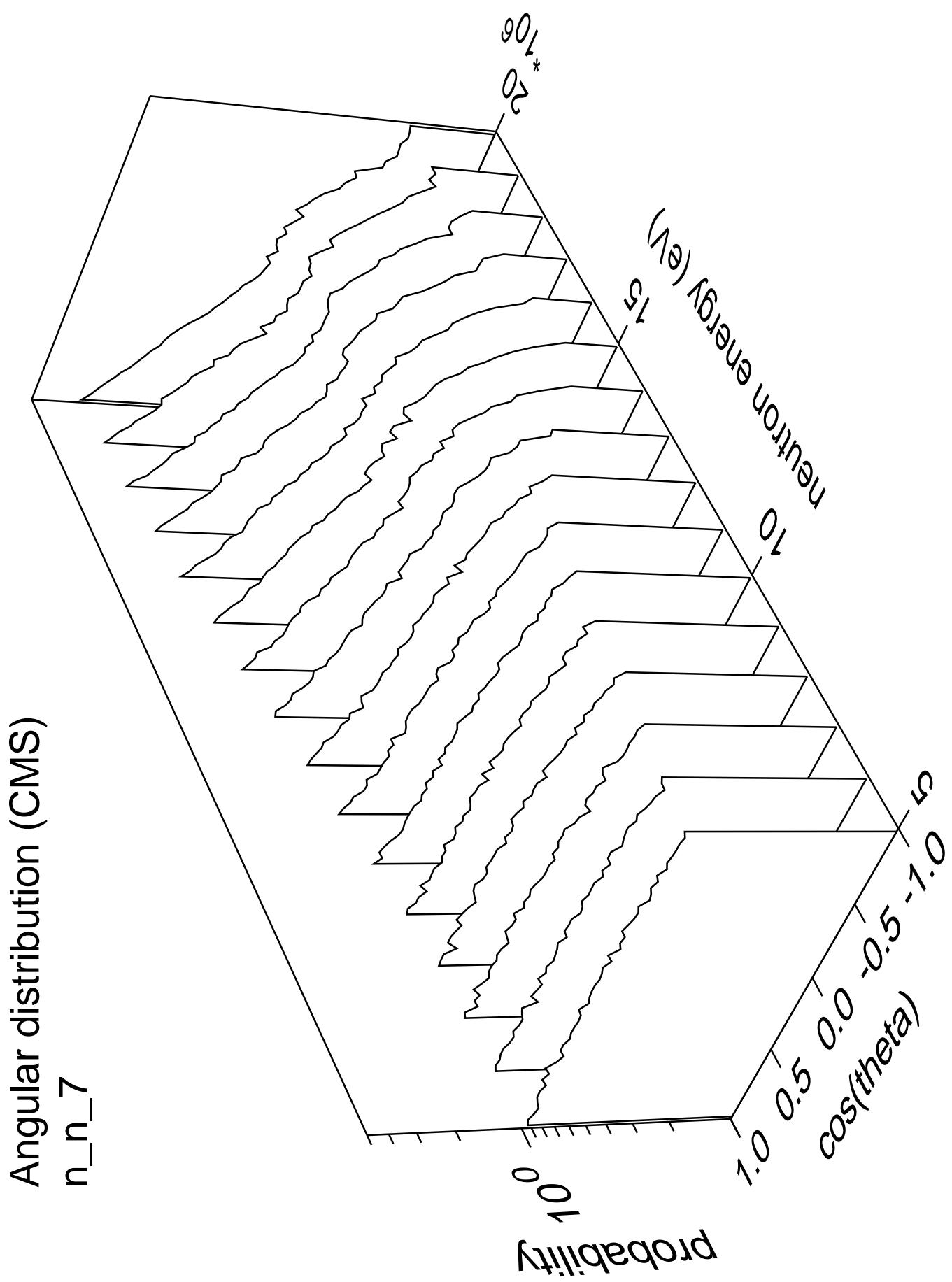


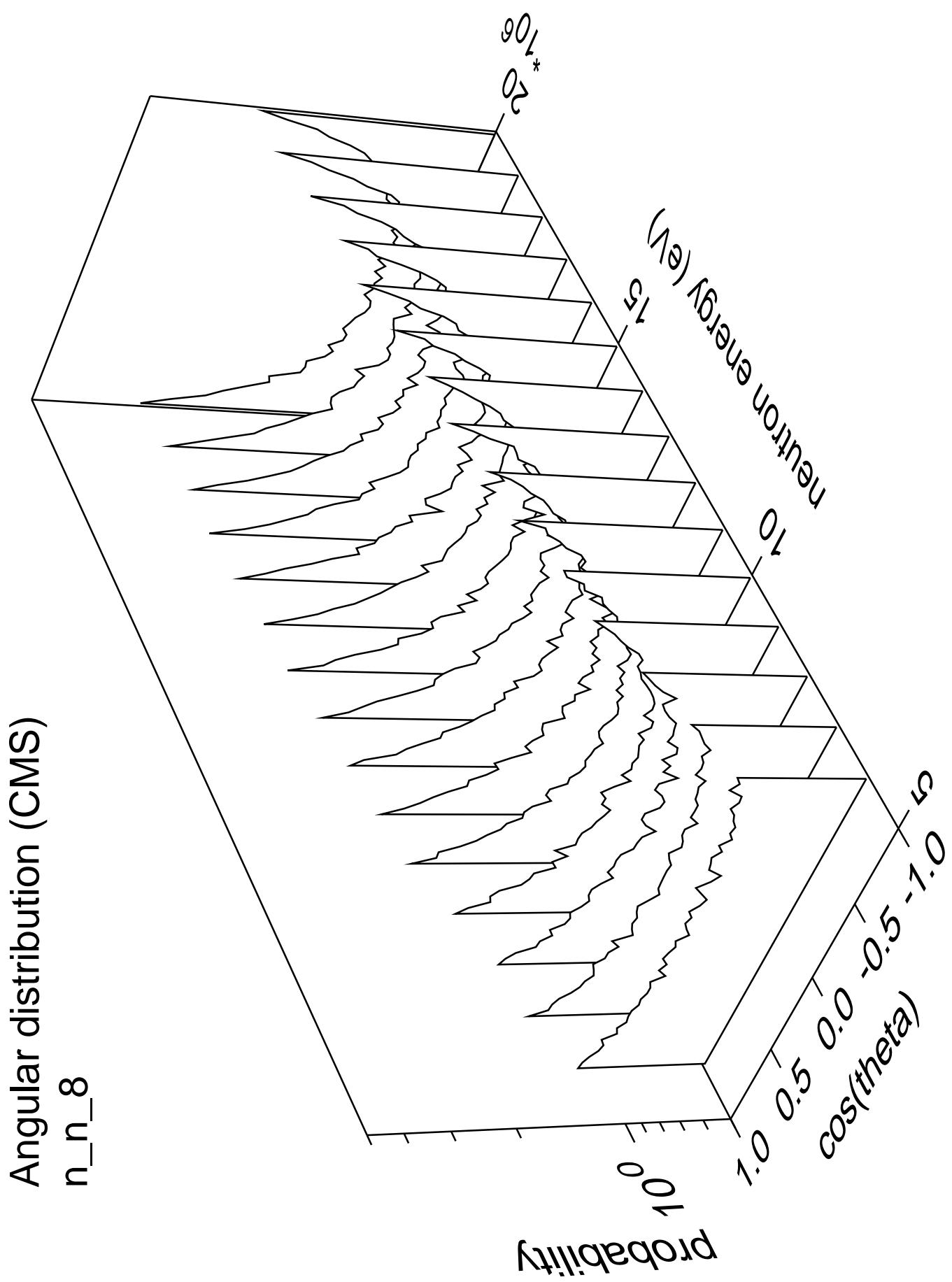


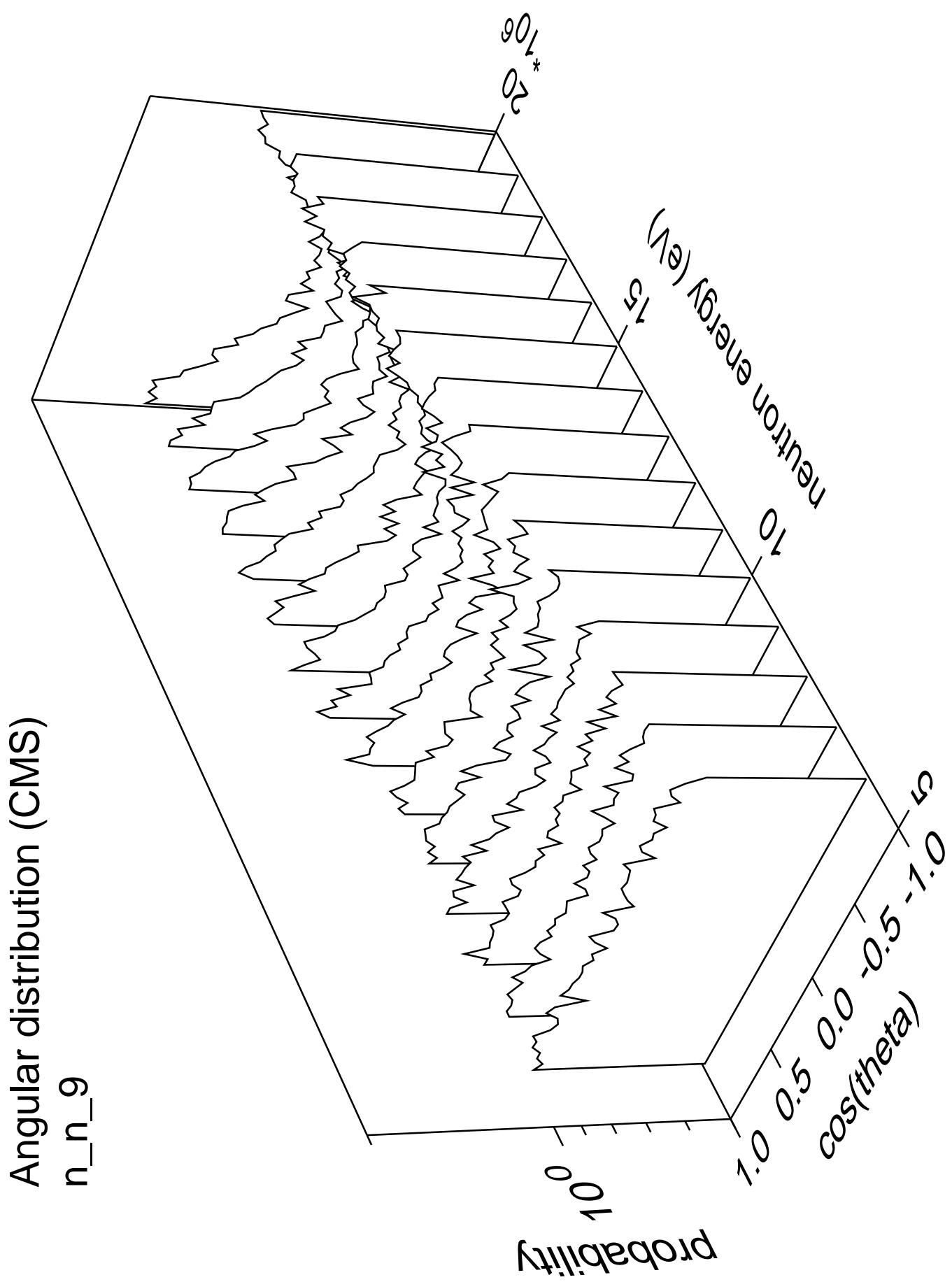


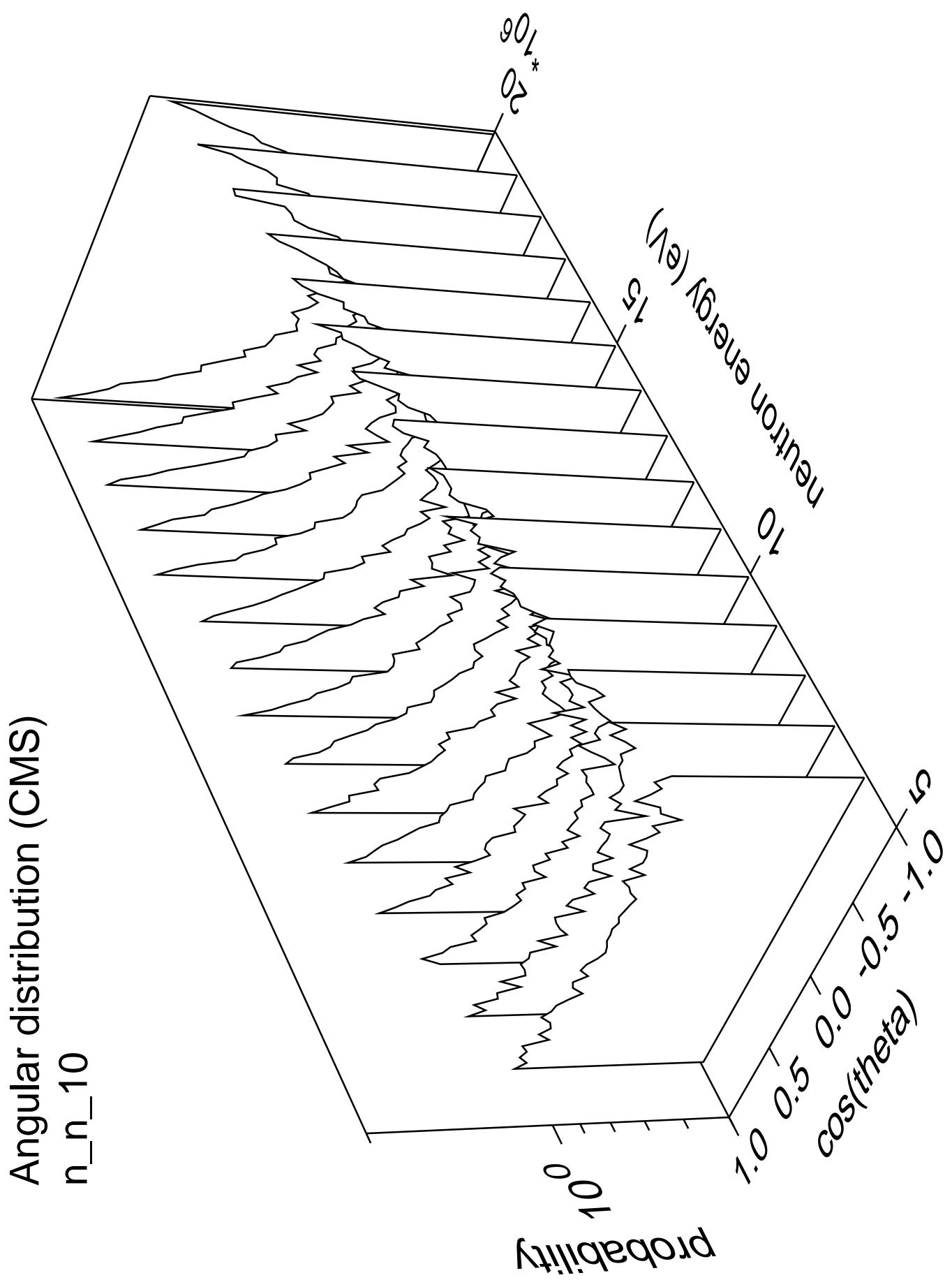


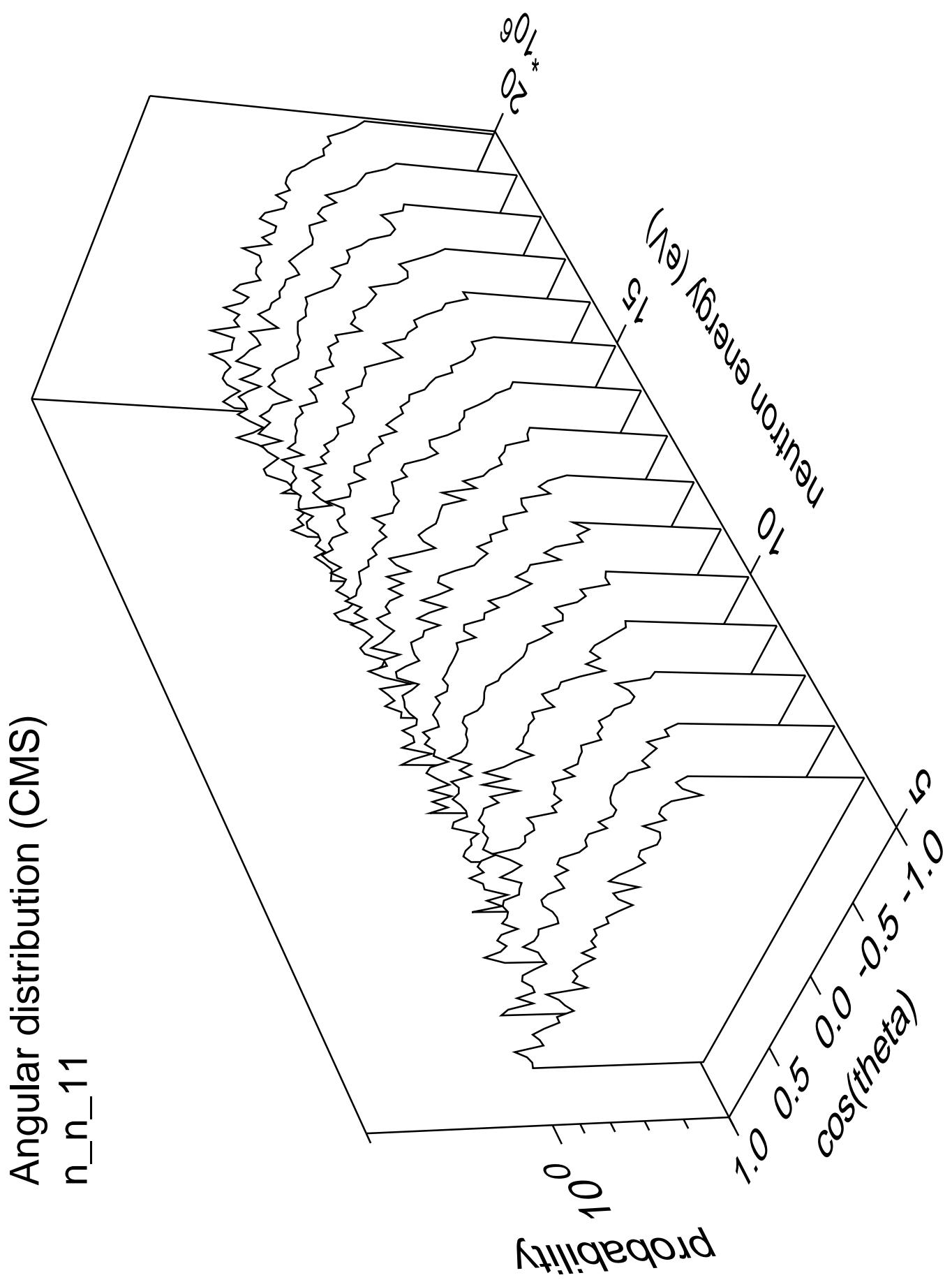


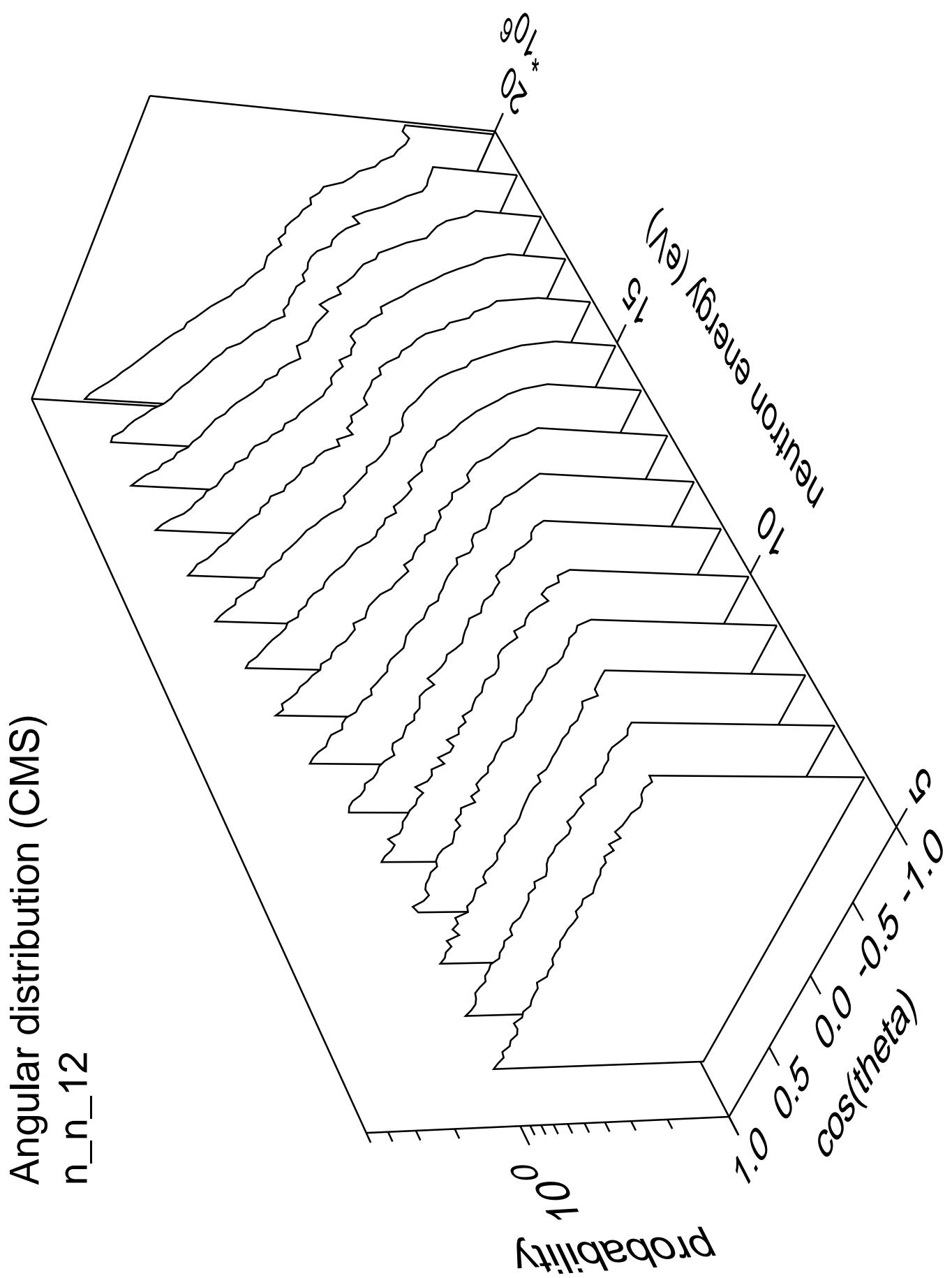


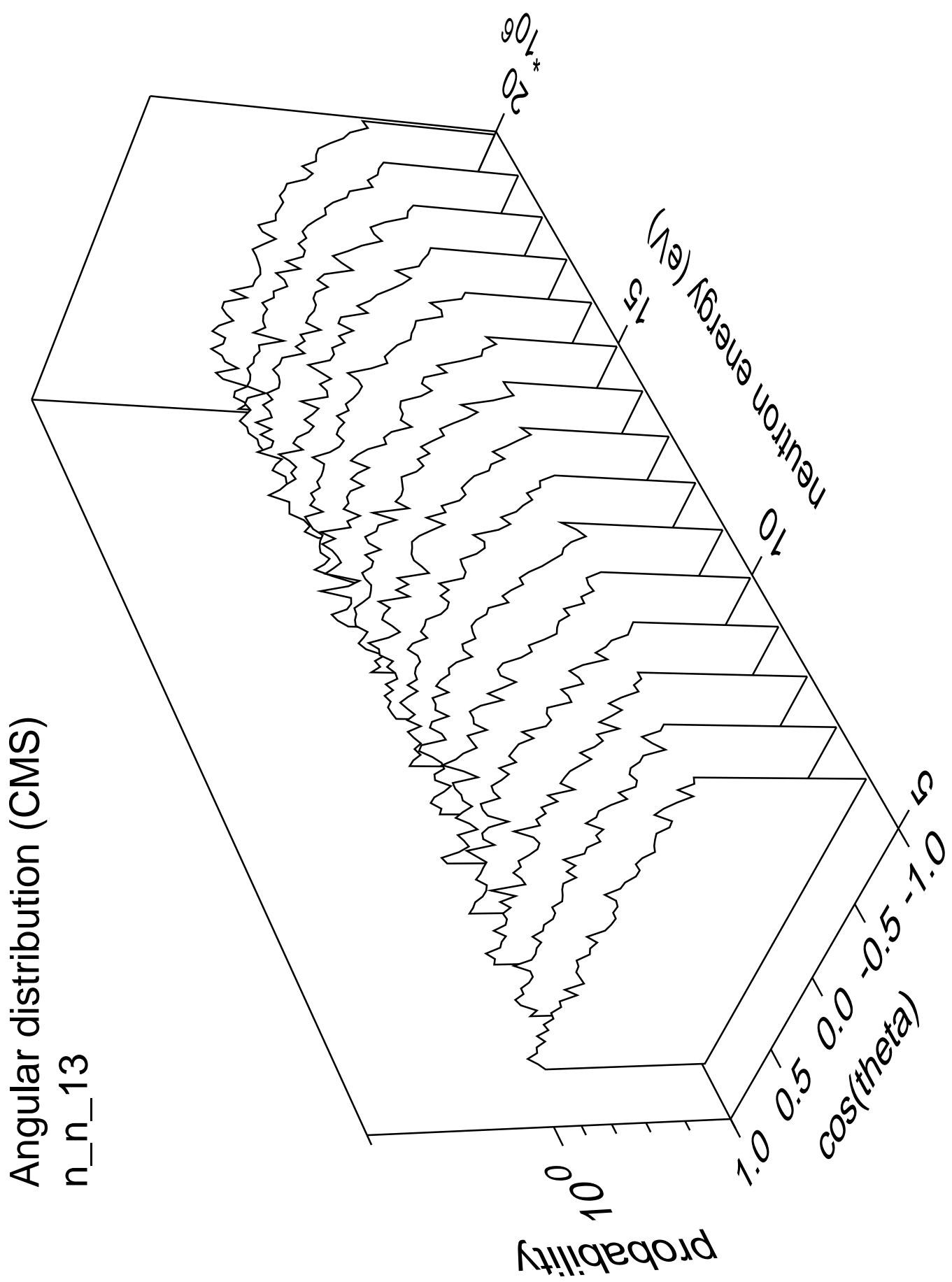


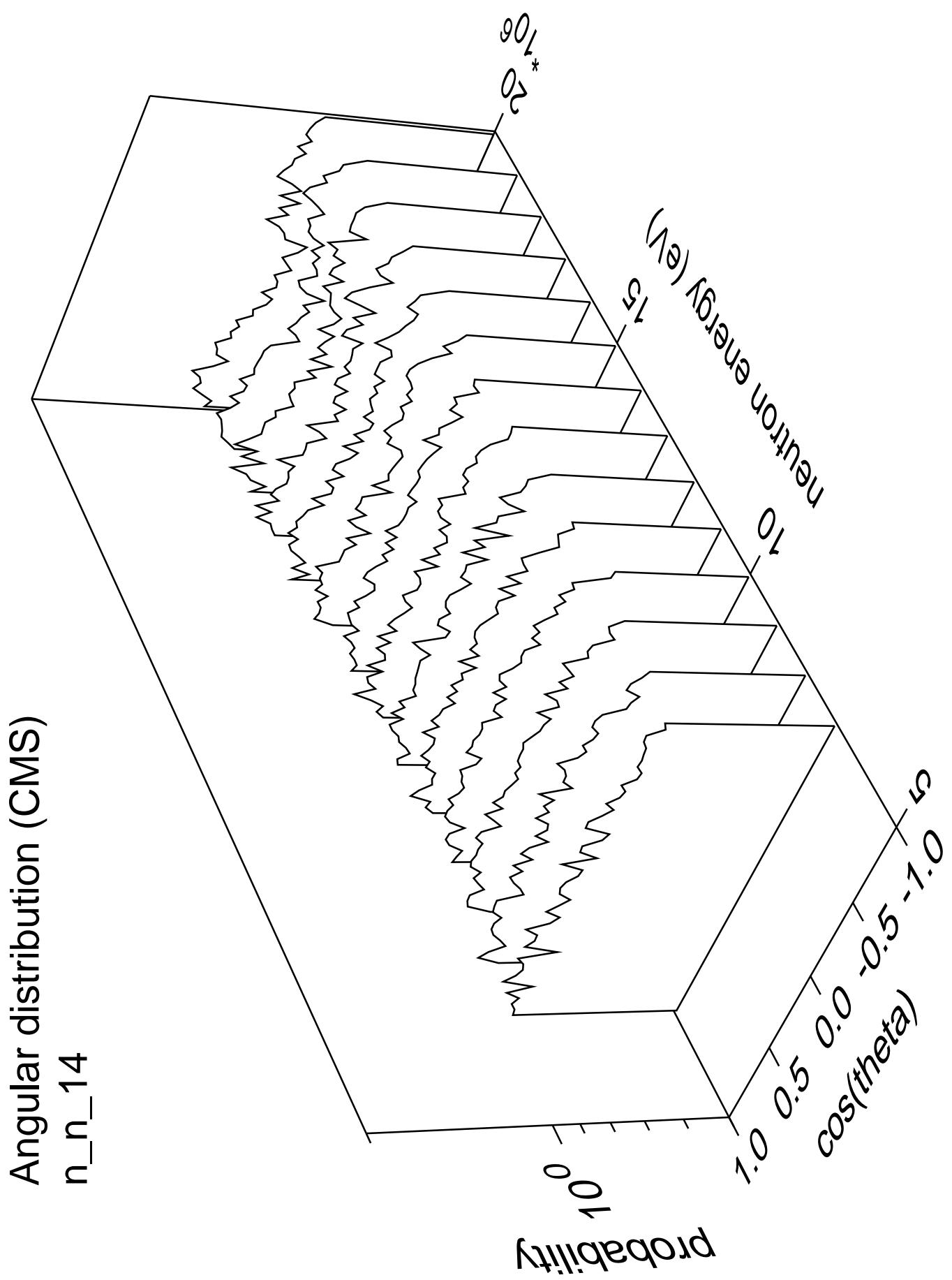


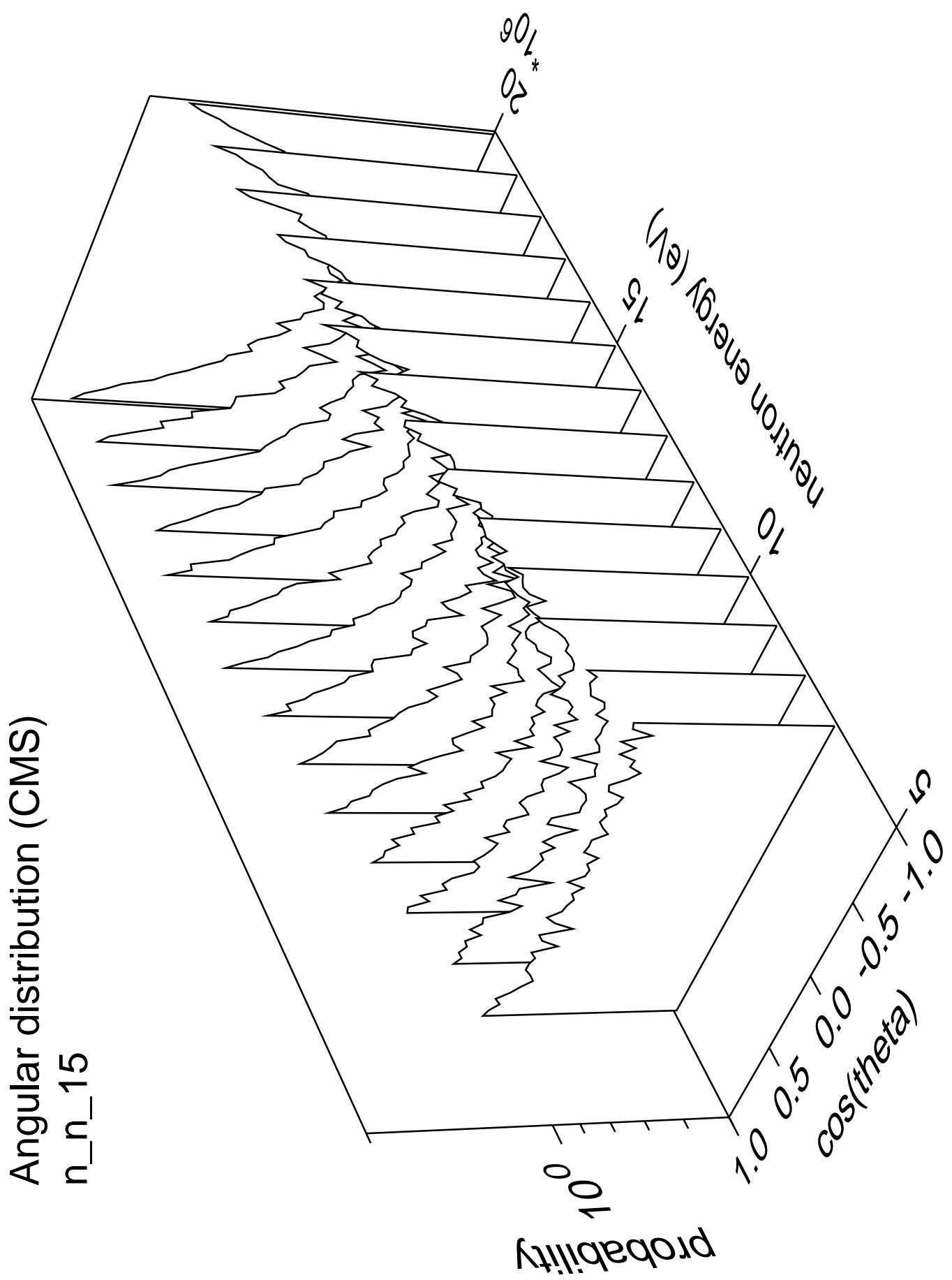


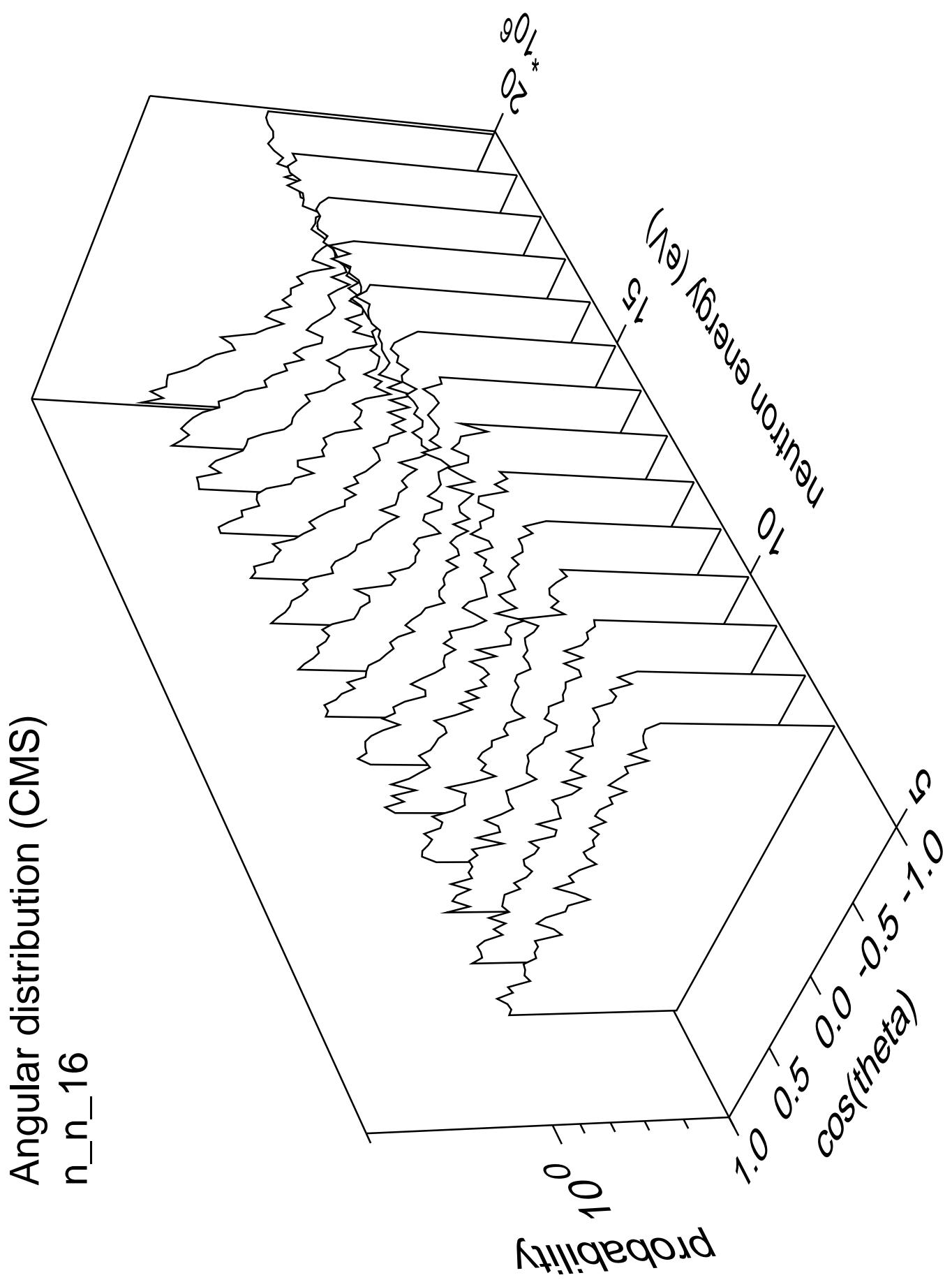


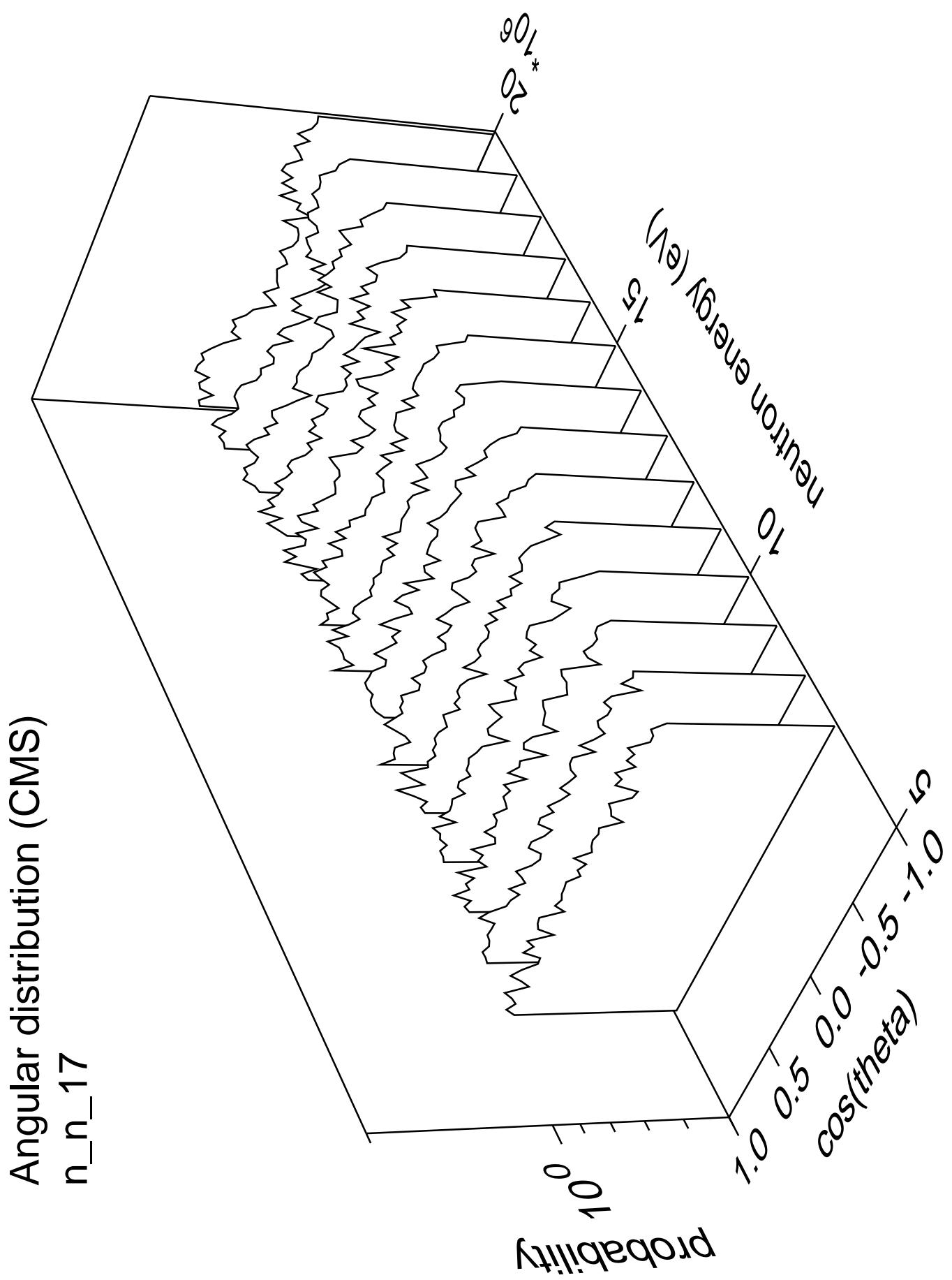


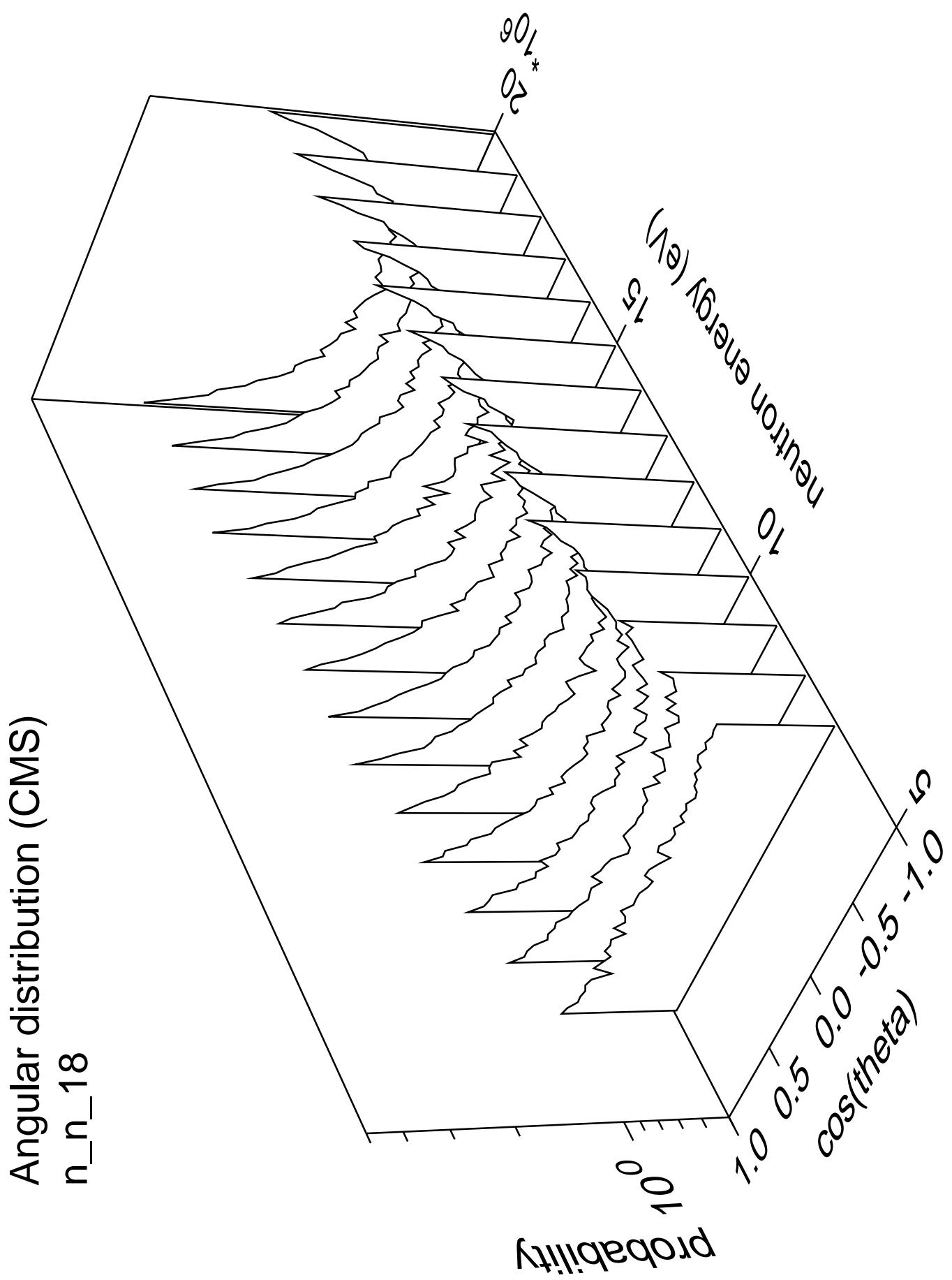


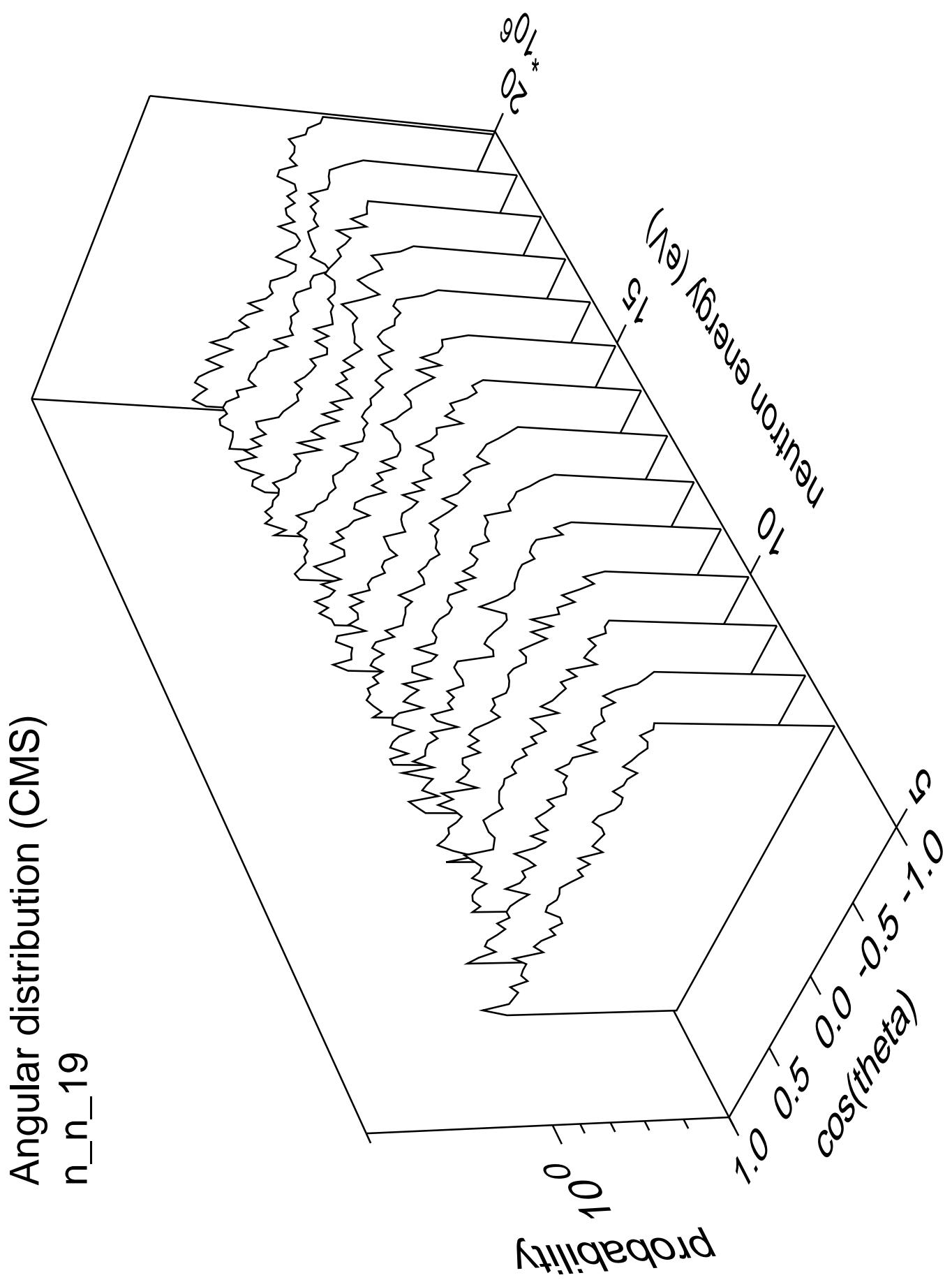


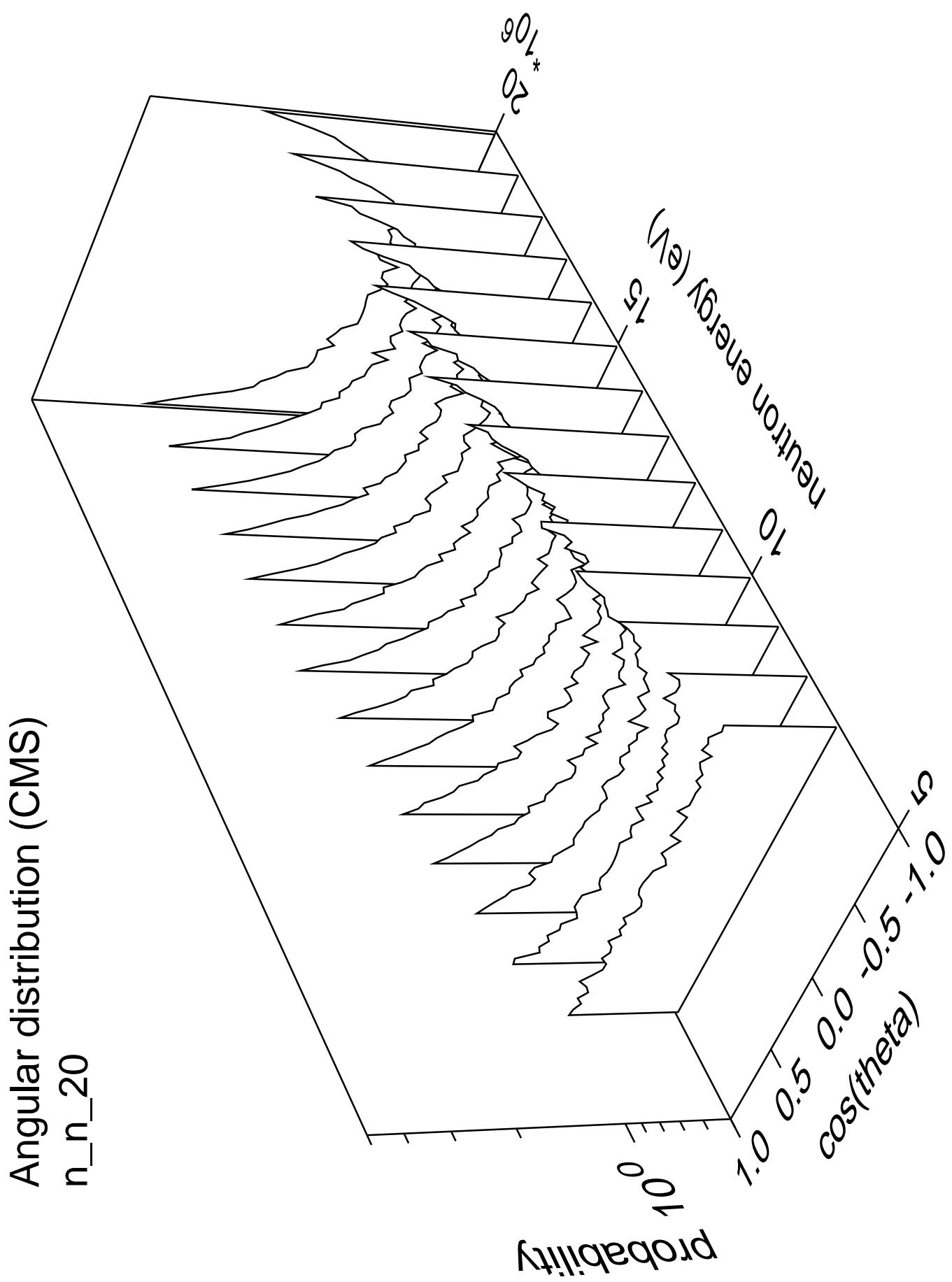


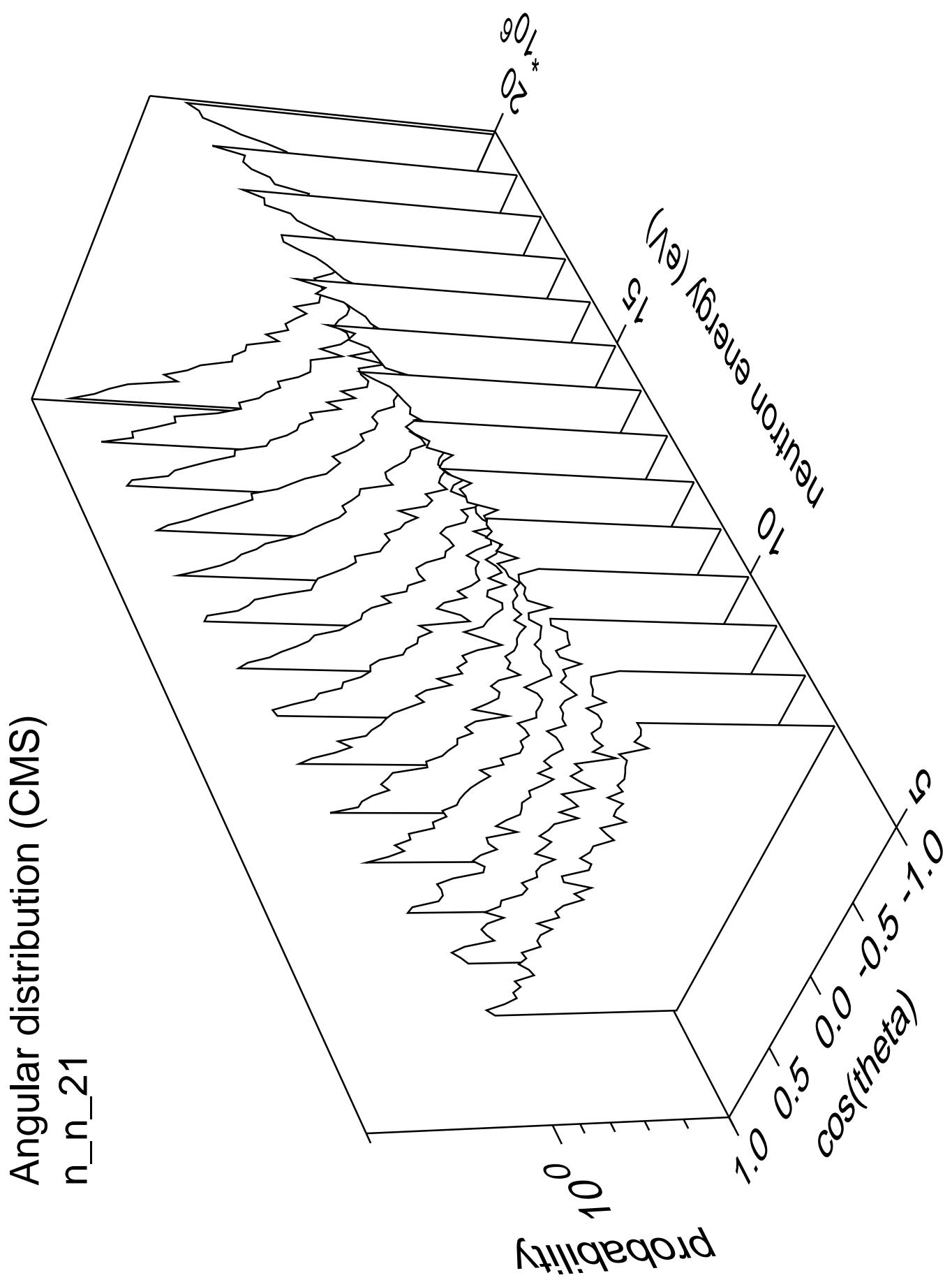


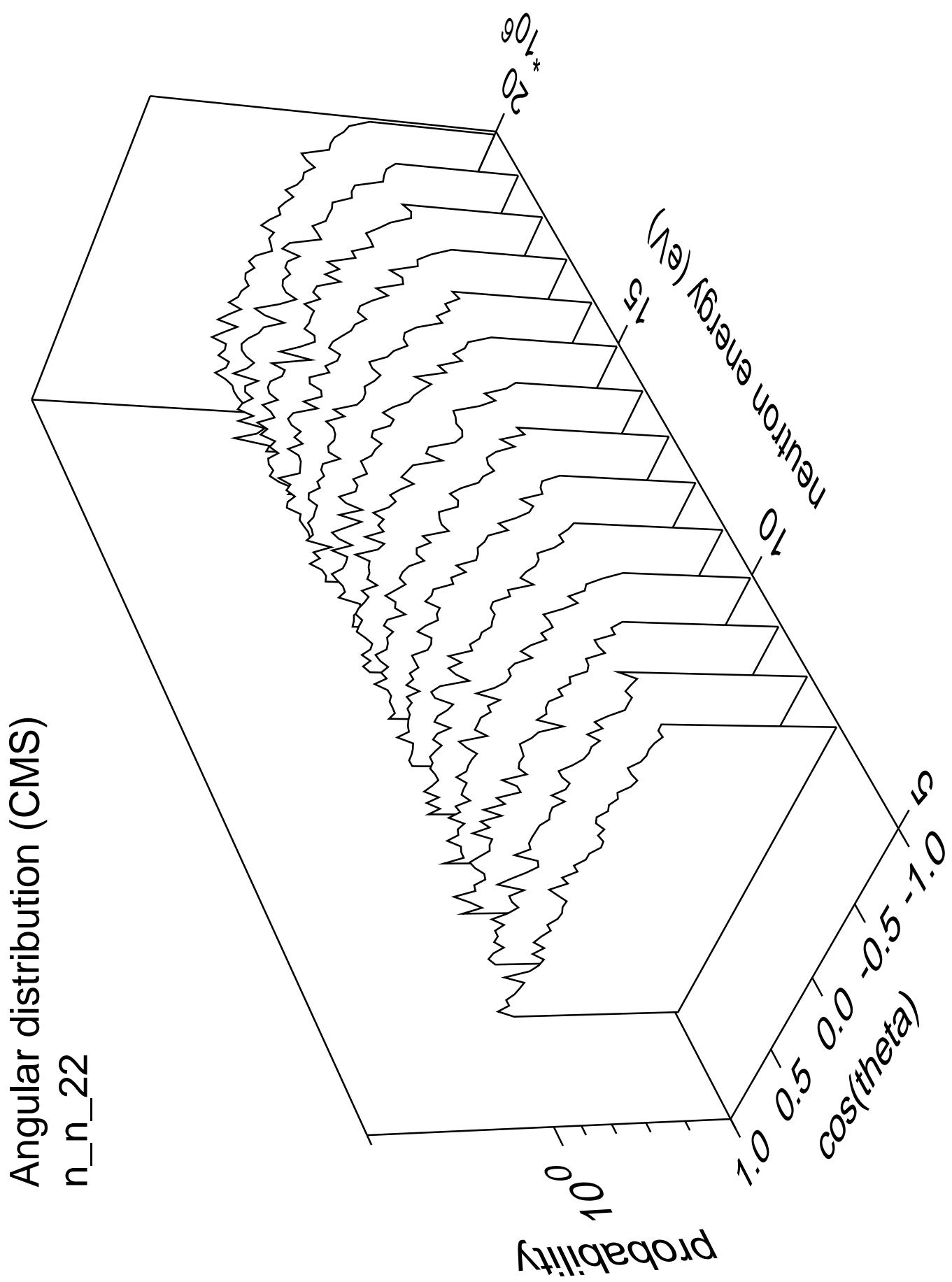


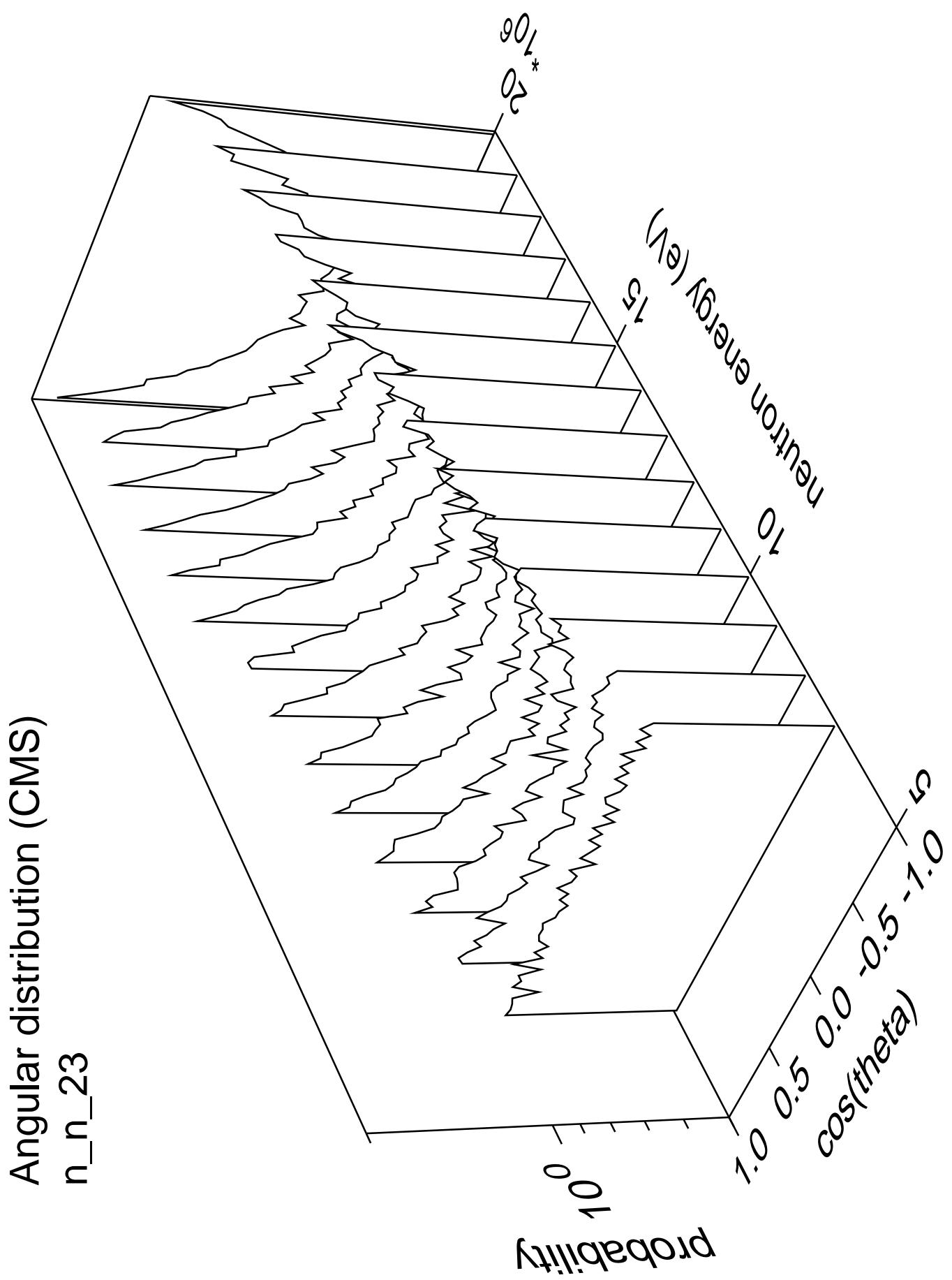


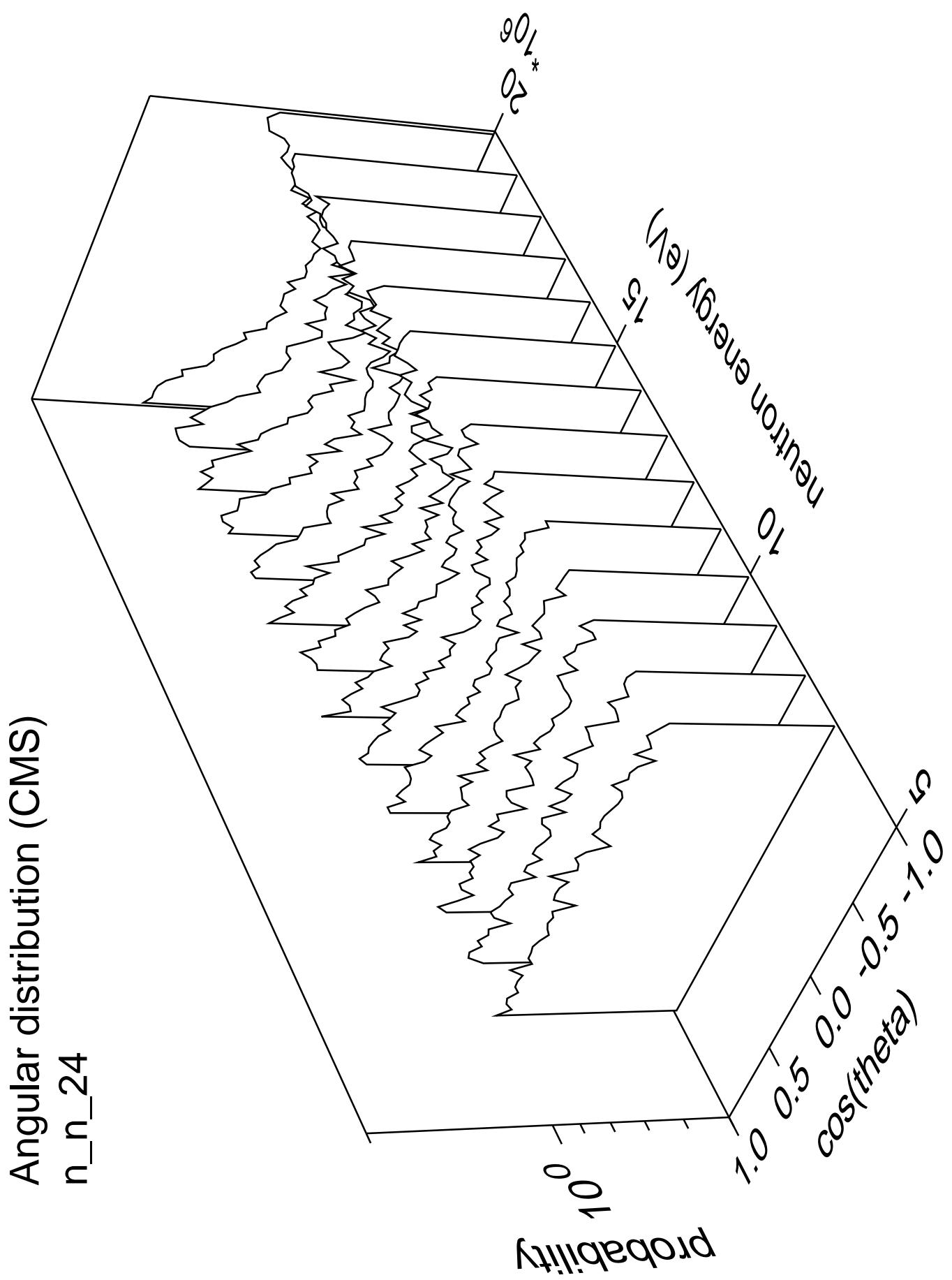


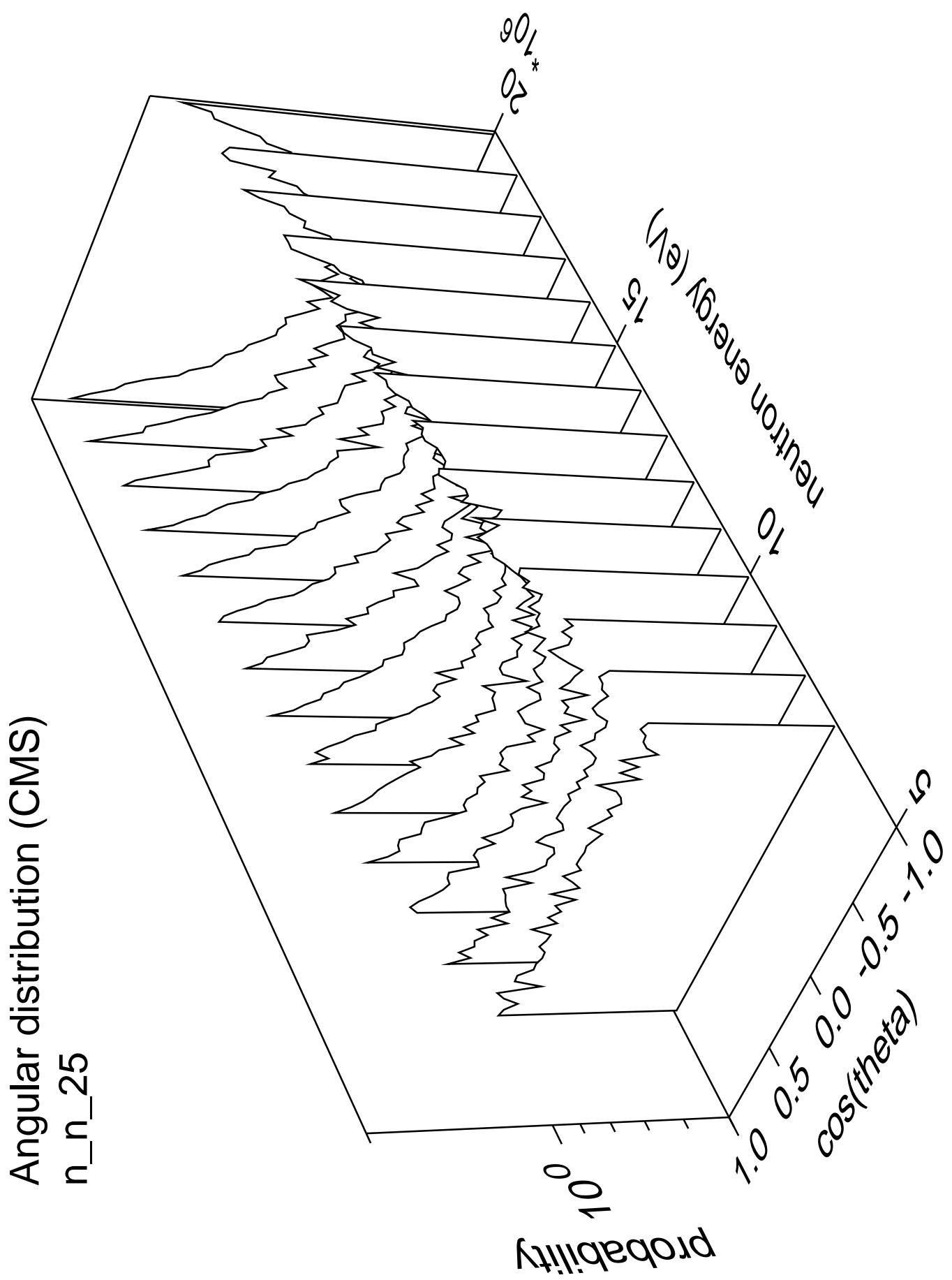


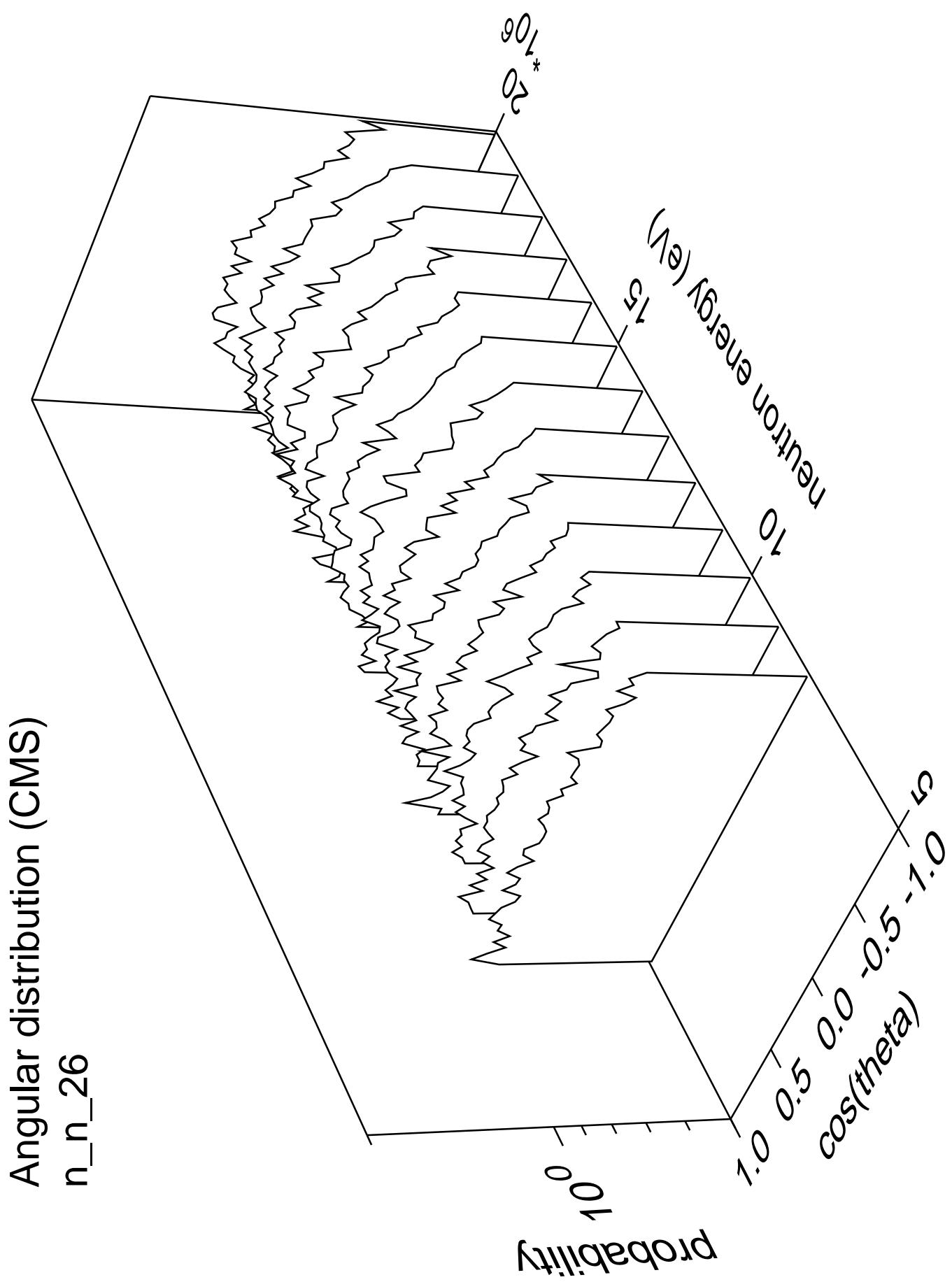


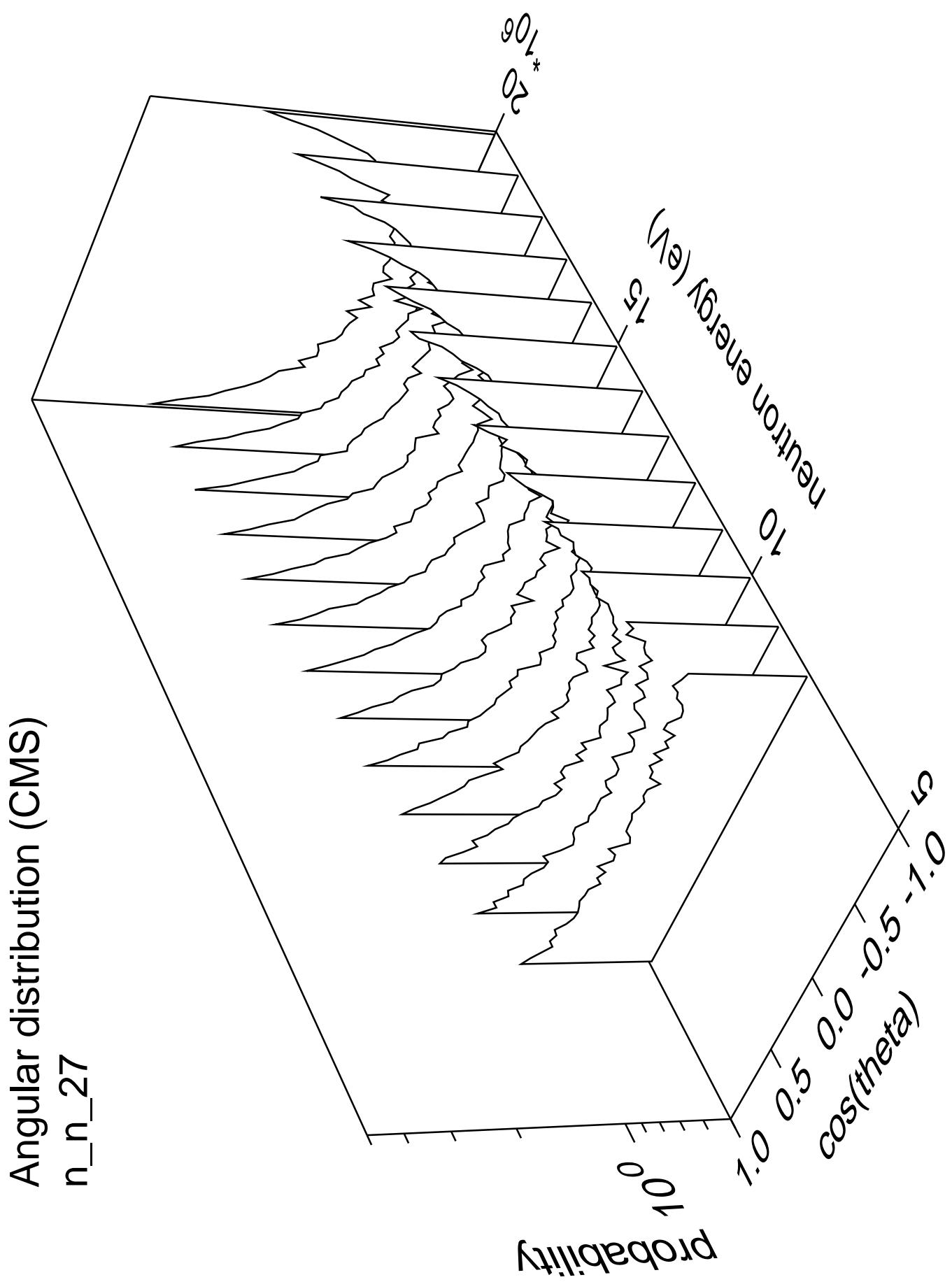


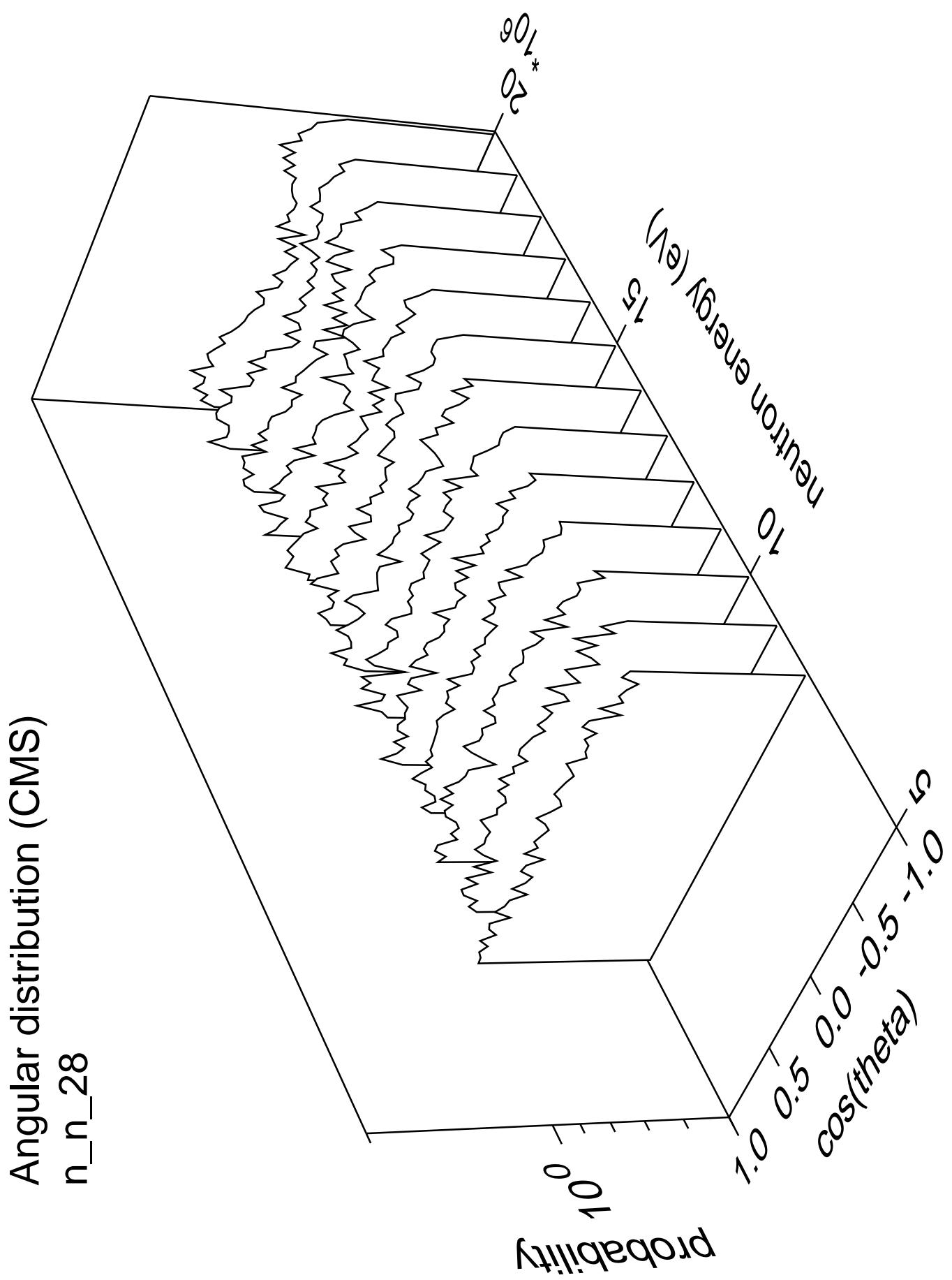


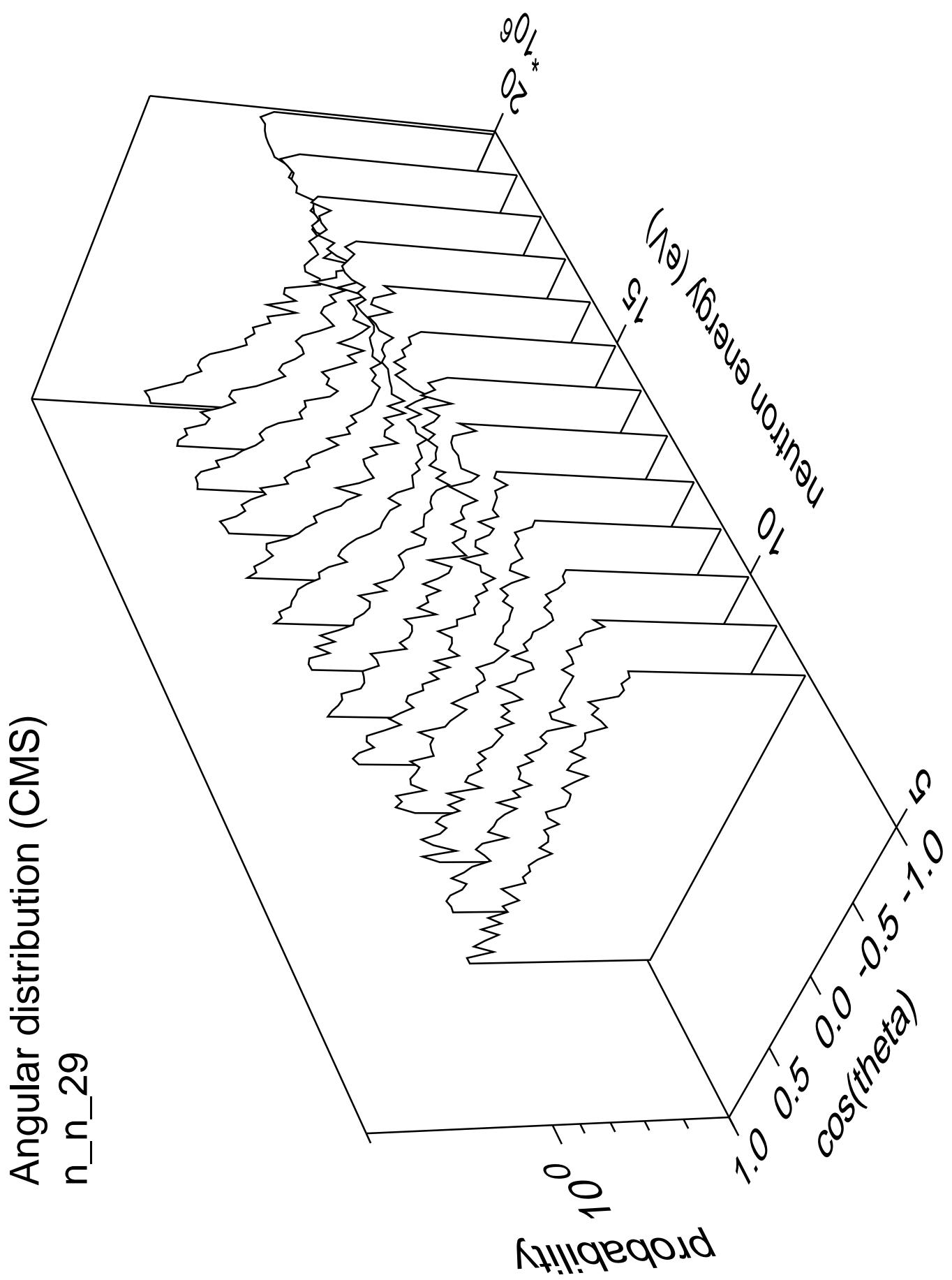


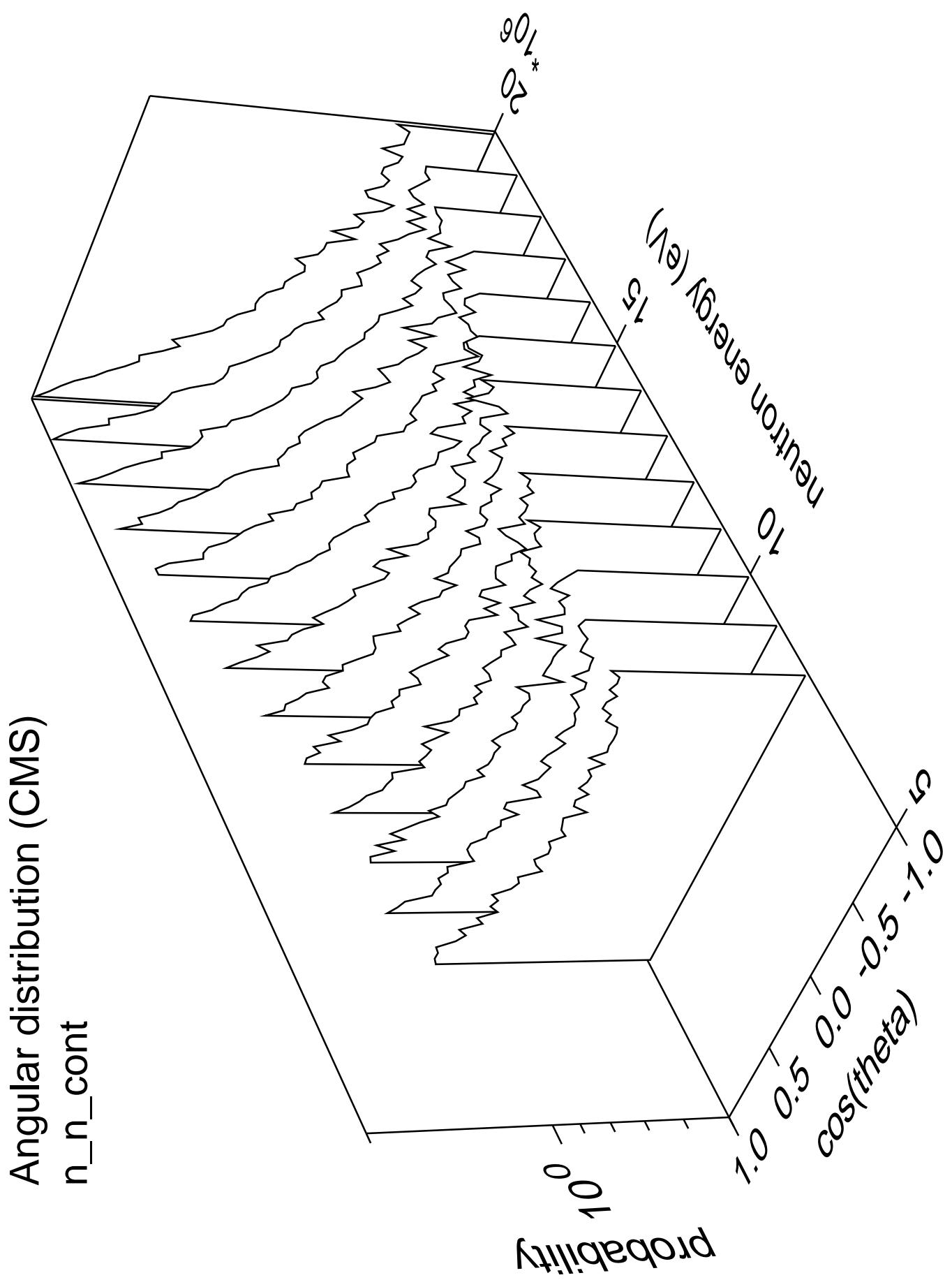


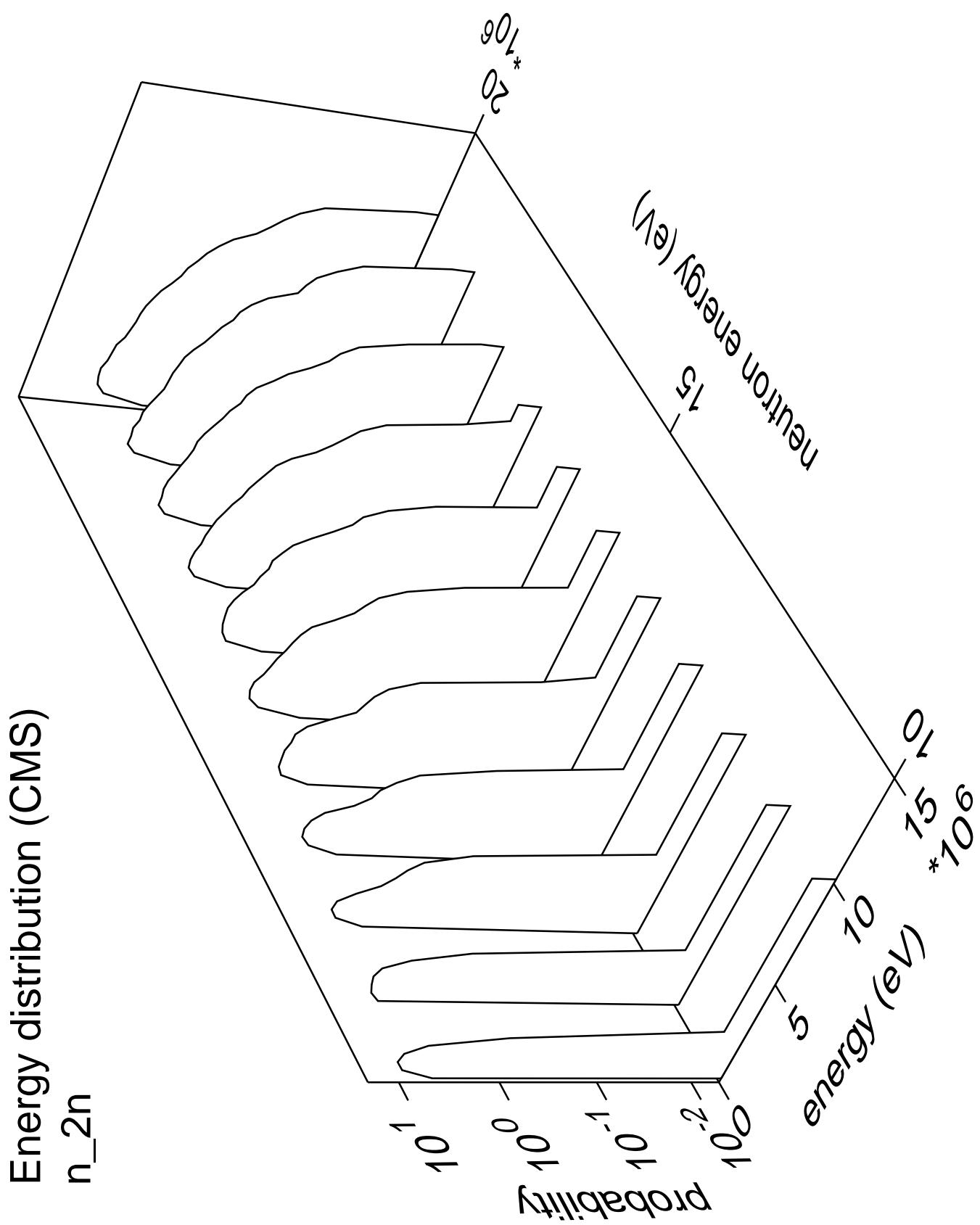


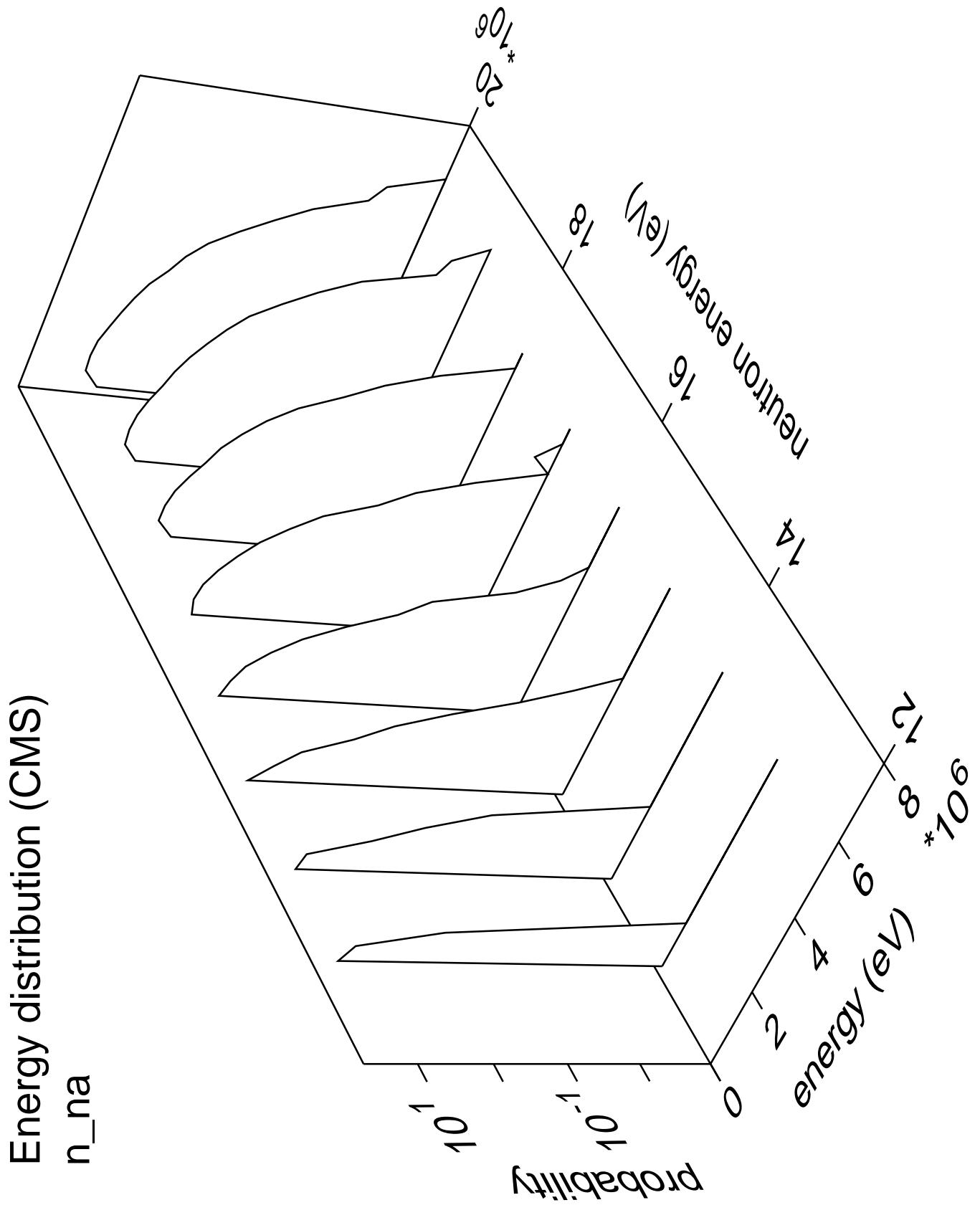


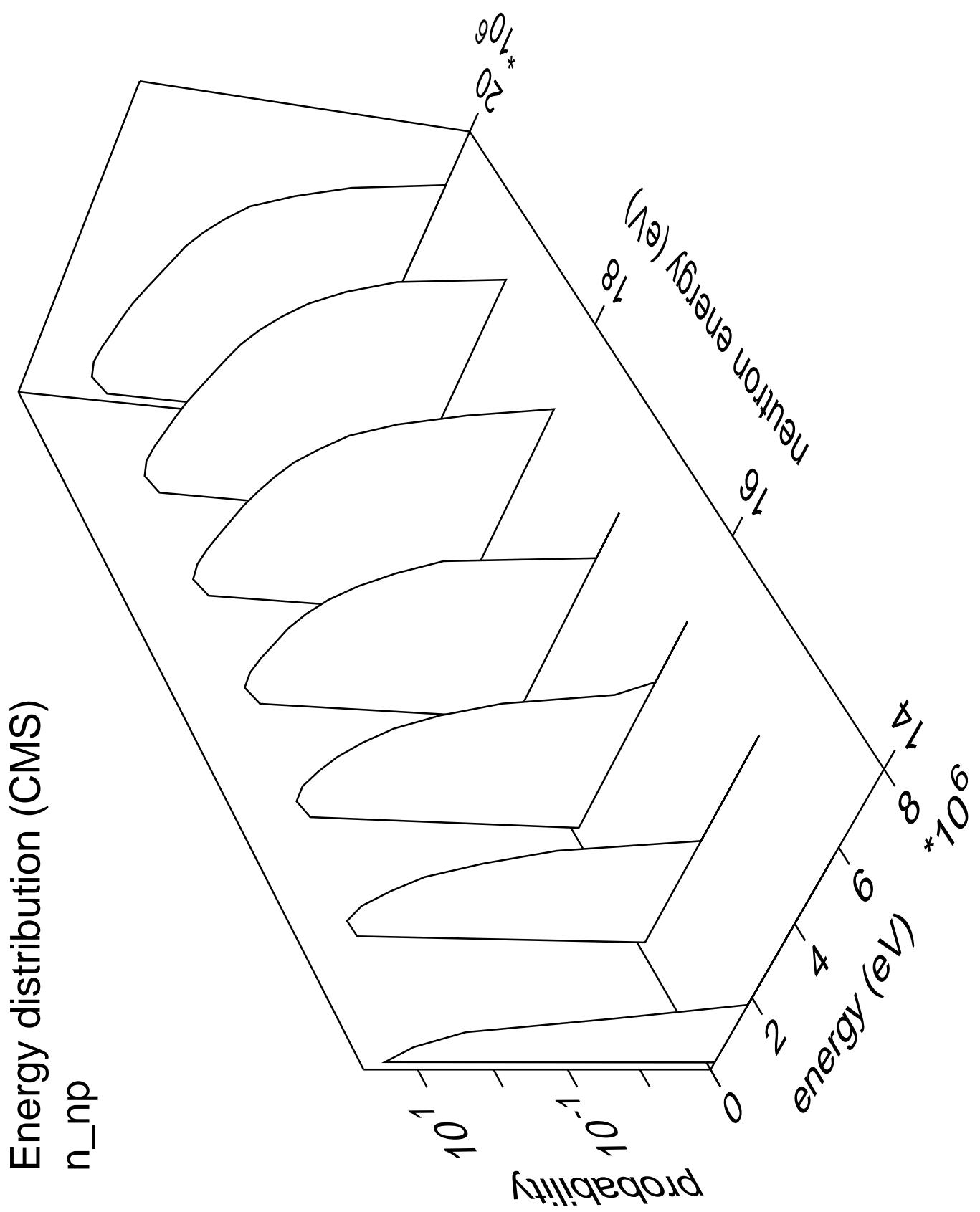


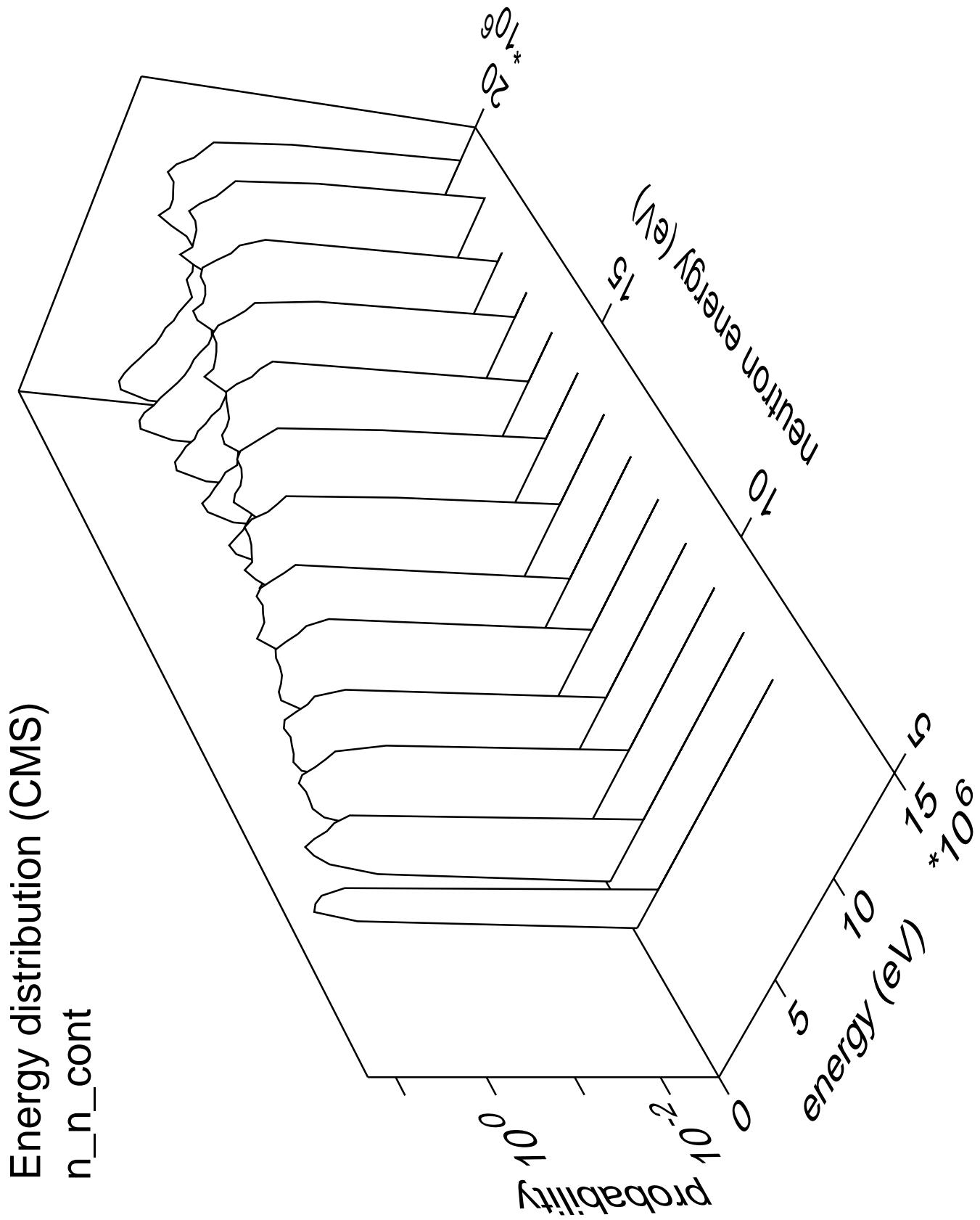




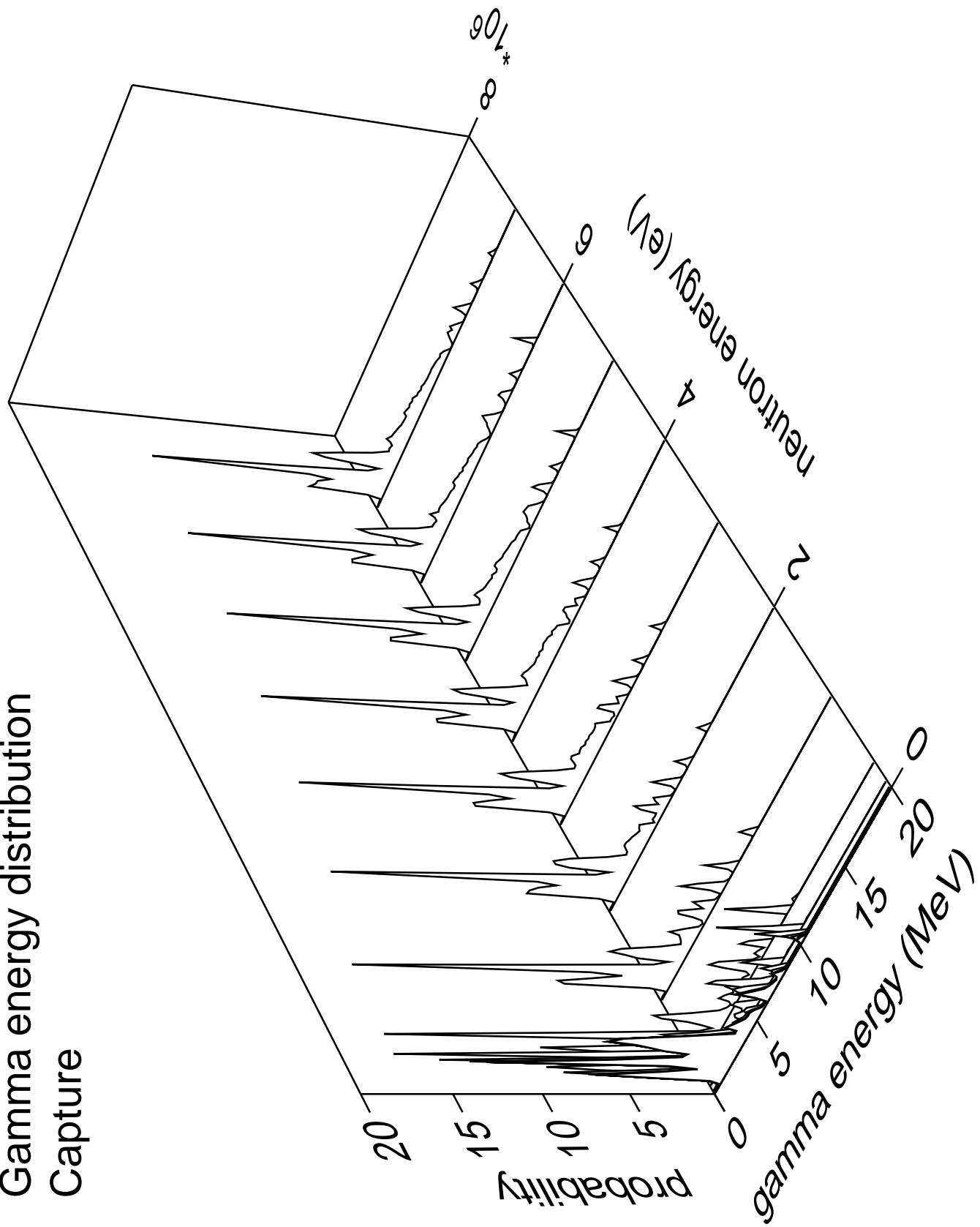




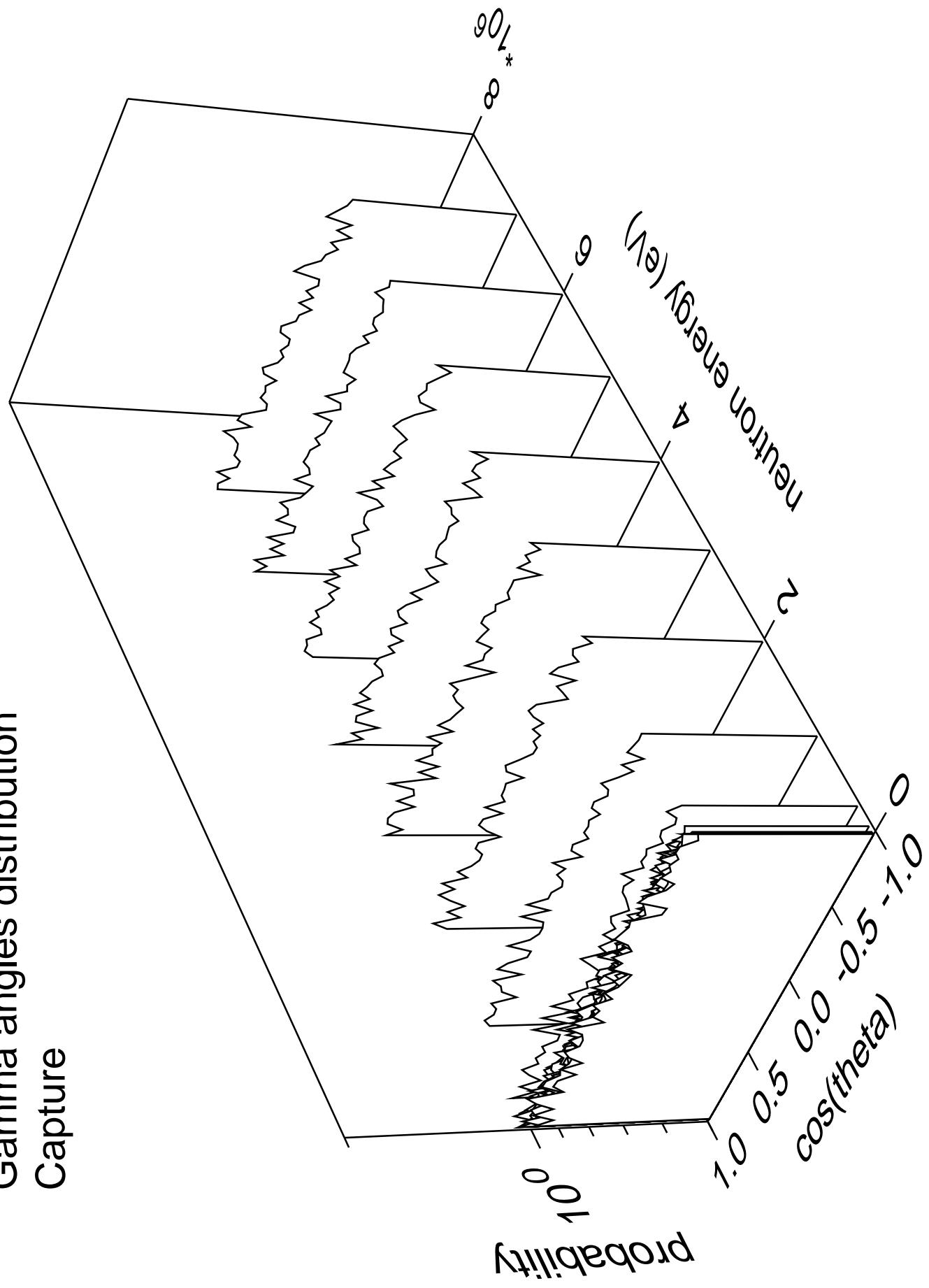




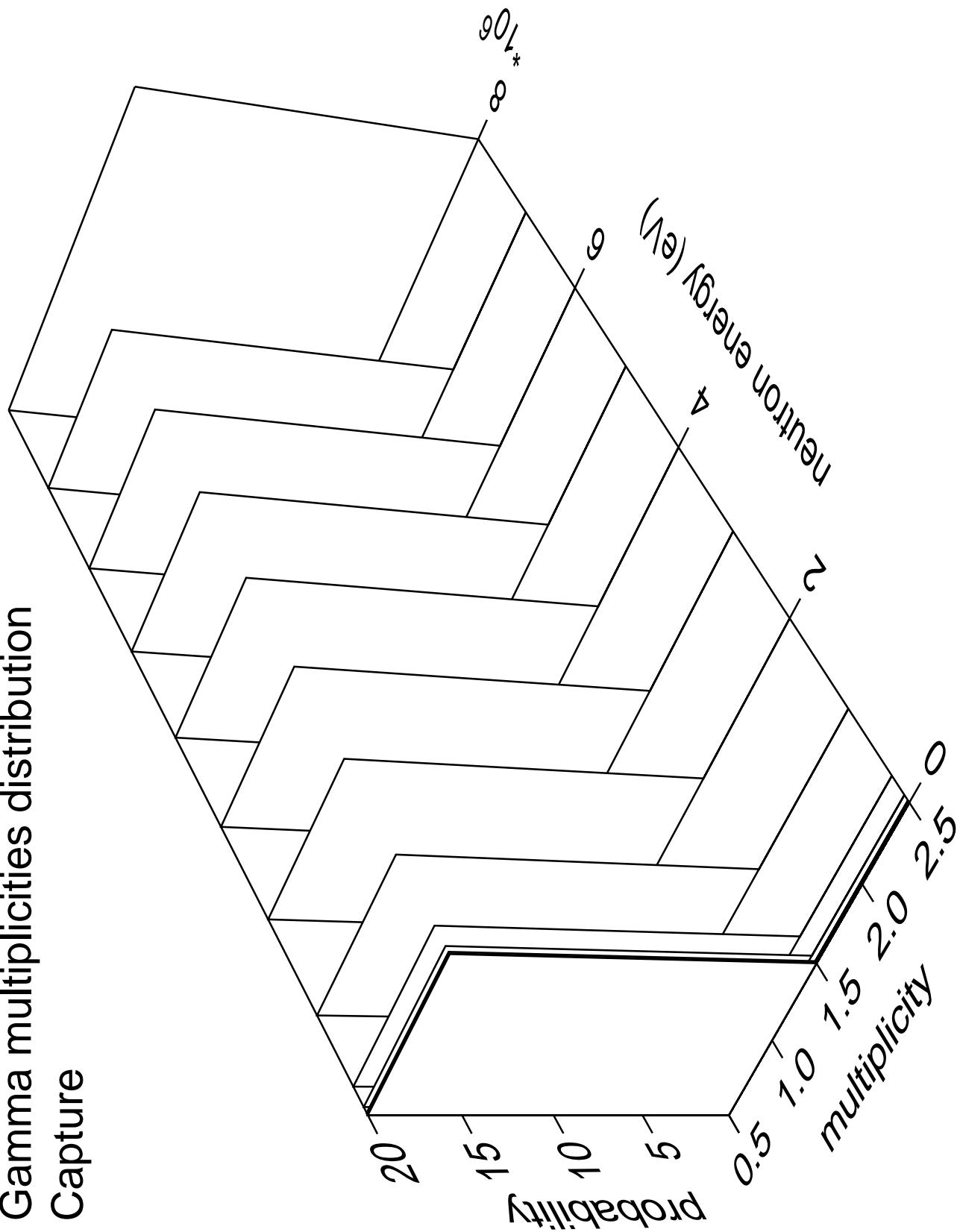
Gamma energy distribution Capture



Gamma angles distribution Capture



Gamma multiplicities distribution Capture



Gamma energy distribution

n_n_1

100

50

Probability

0

20

15

10

5

~

gamma energy (MeV)

Neutron energy (eV)

4

6

8

10⁶

*

8

6

4

2

0

Gamma angles distribution

n_{n_1}

Probability

10^0

10^6

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Gamma multiplicities distribution

n_n_1

Probability

0.5 1.0 1.5 2.0 2.5

multiplicity

2

1

0.5

0.5

1.0

1.5

2.0

2.5

3.0

10^6

8

6

4

2

0

Neutron energy (eV)

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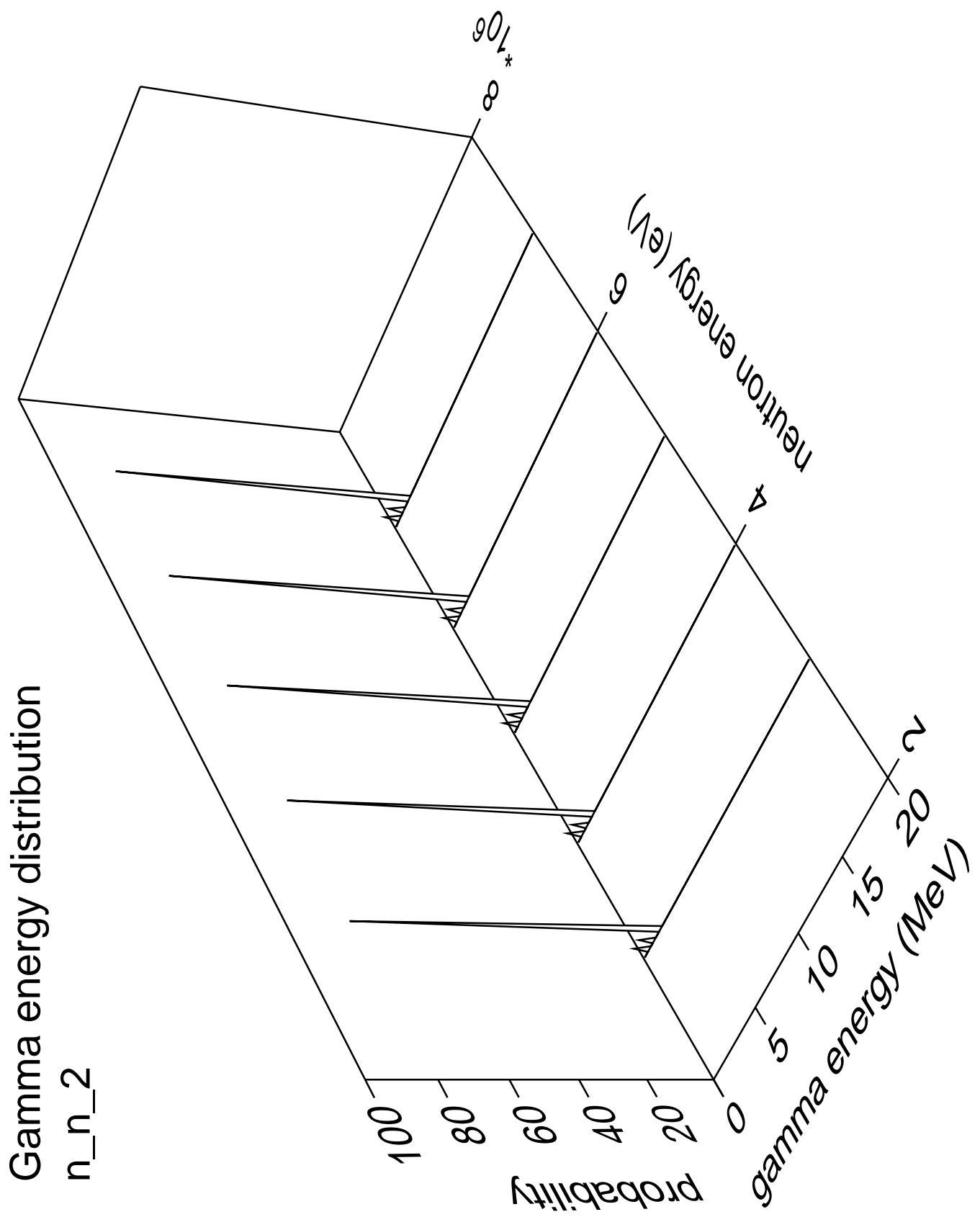
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Gamma angles distribution

n_{n_2}

Probability

10^0

10^6

*

θ

Neutron energy (eV)

Δ

$\cos(\theta)$

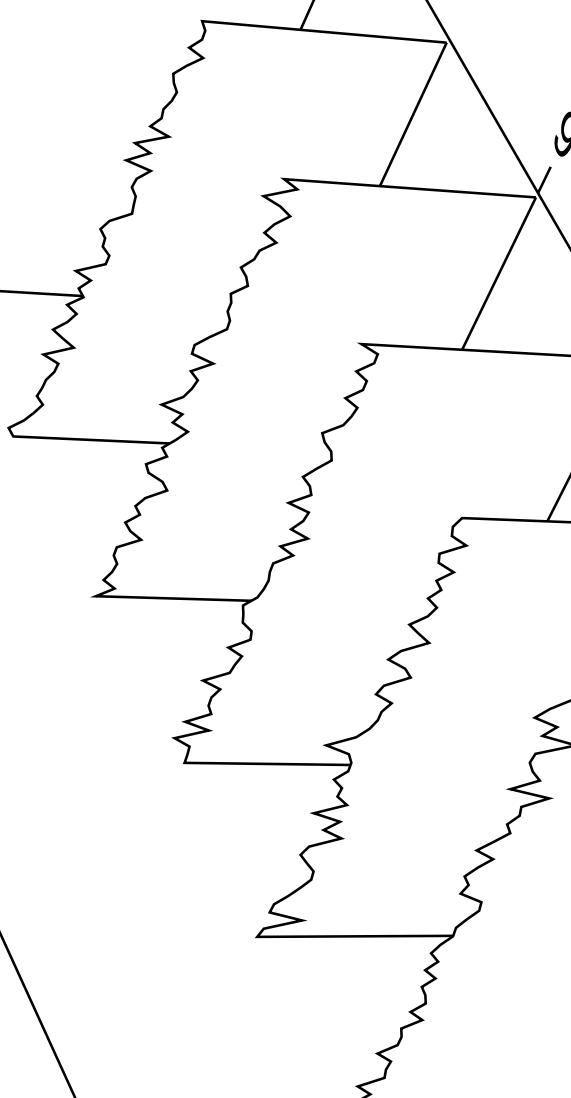
1.0

0.5

0.0

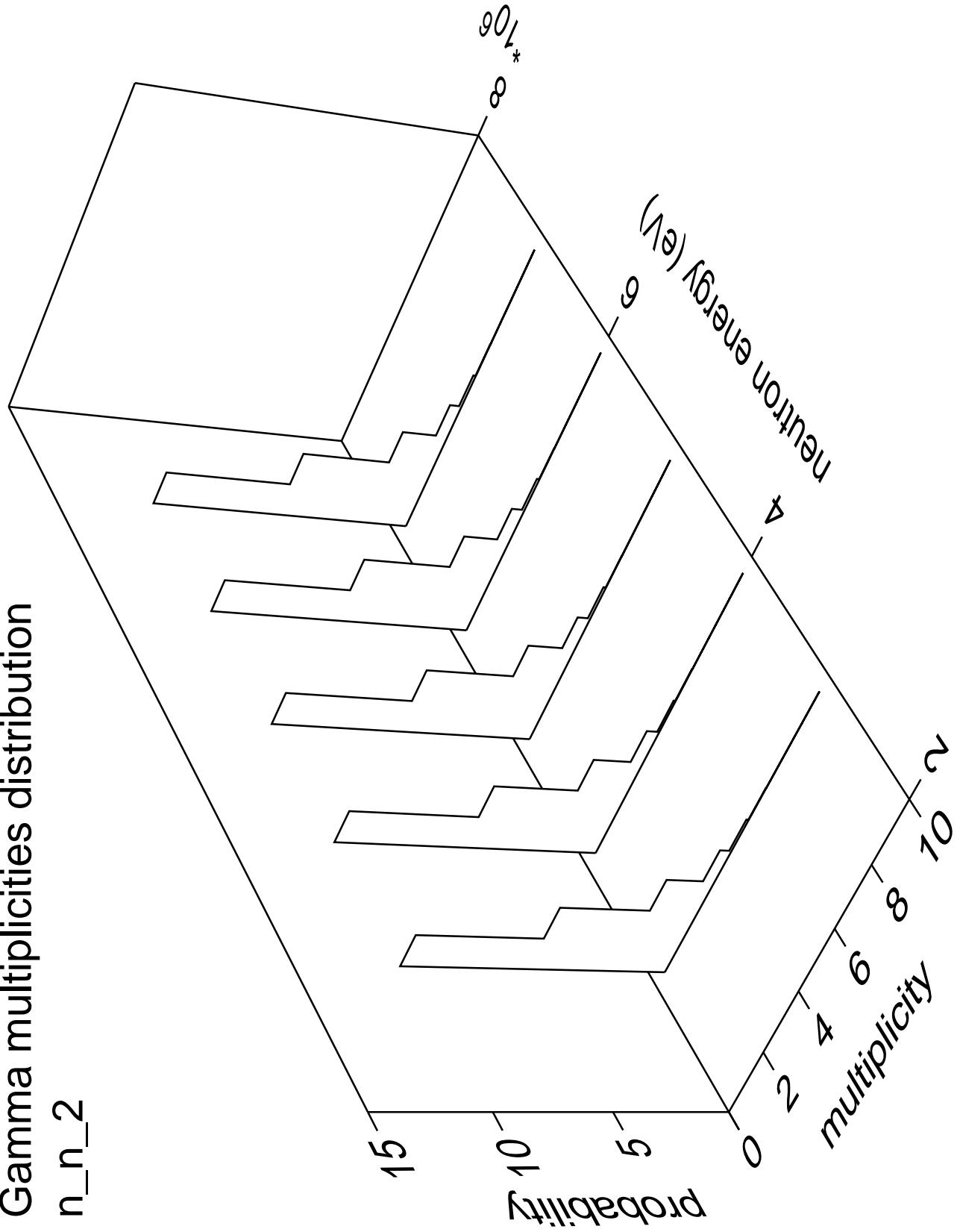
-0.5

-1.0

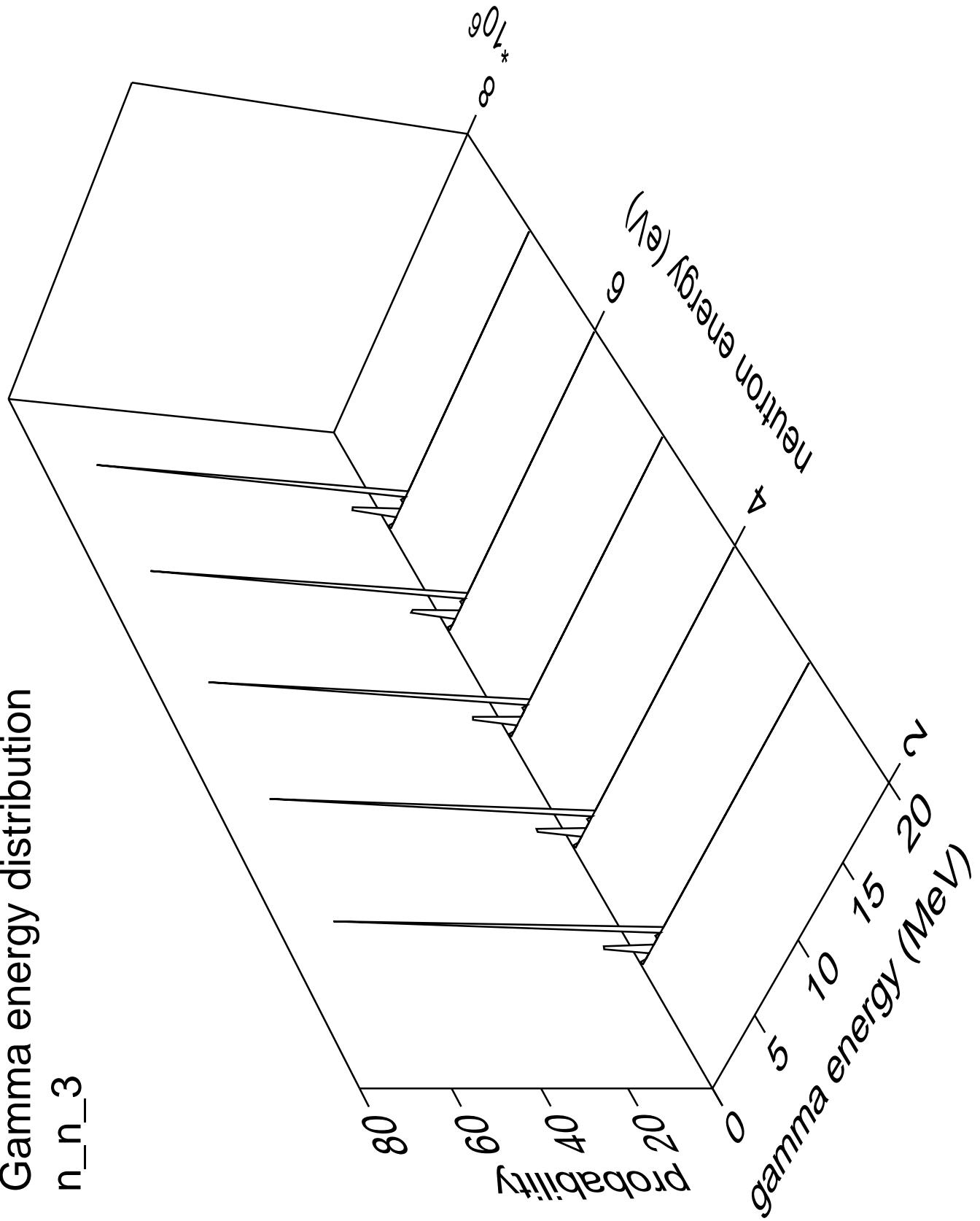


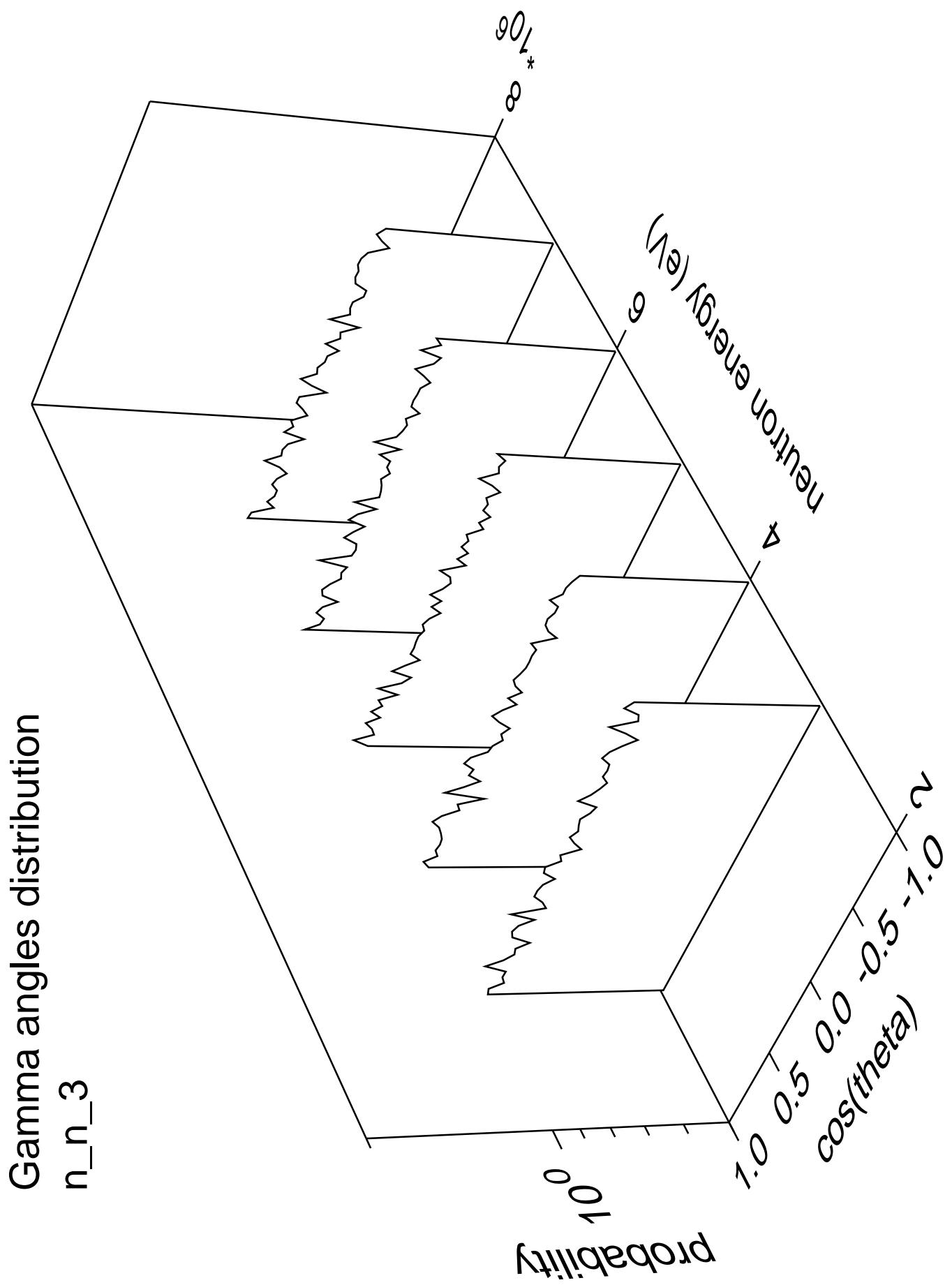
Gamma multiplicities distribution

n_{n_2}



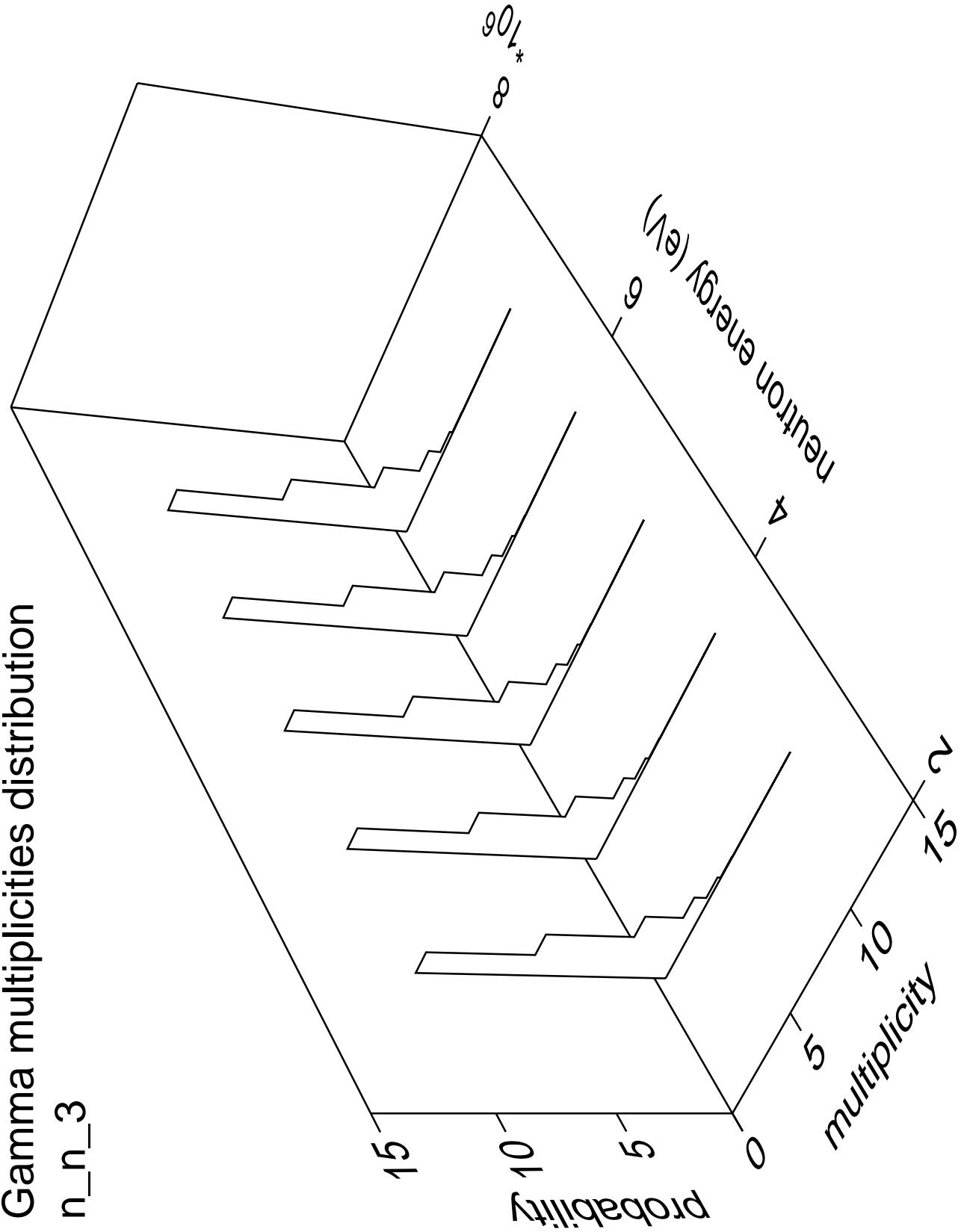
Gamma energy distribution n_n_3



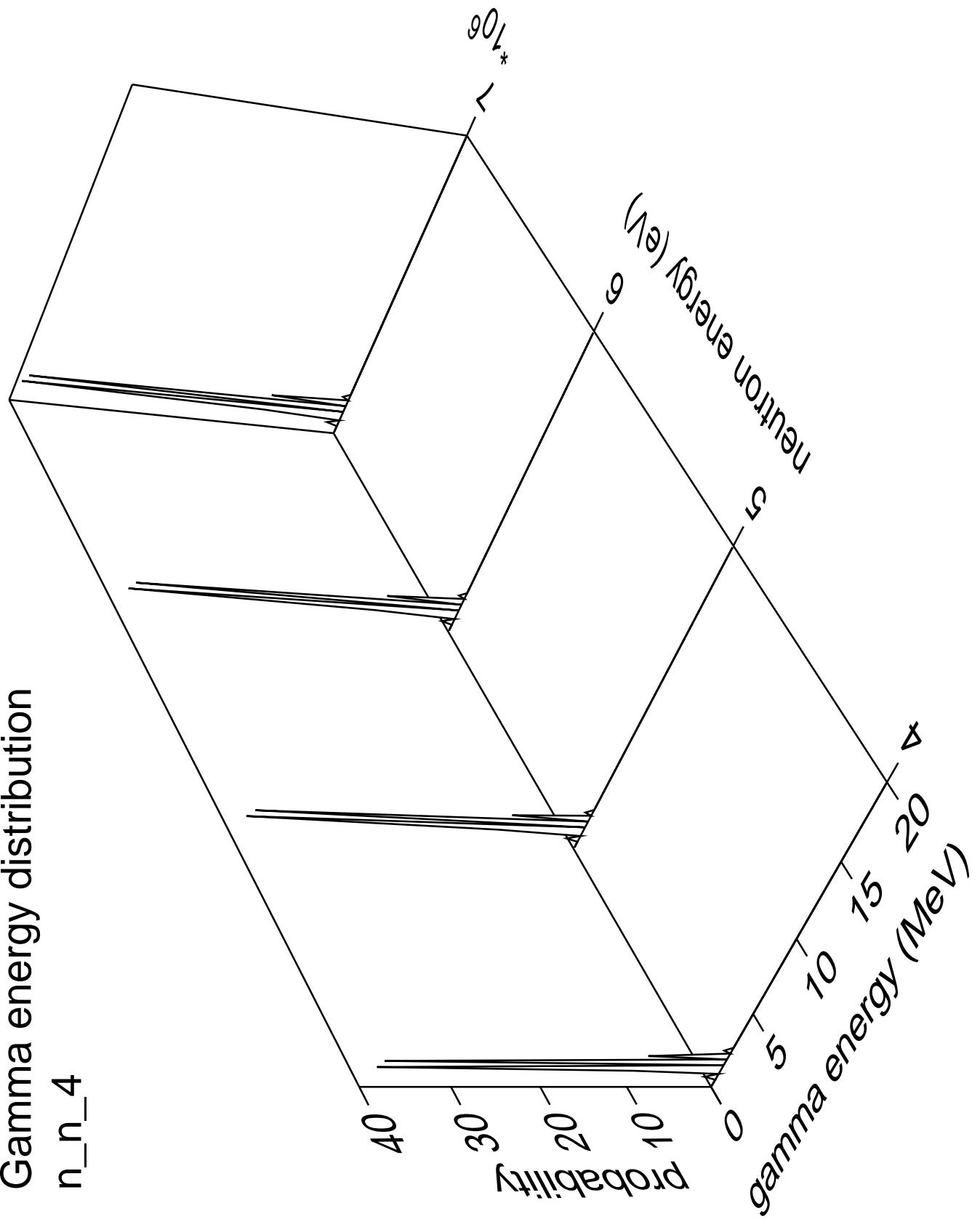


Gamma multiplicities distribution

n_{n_3}



Gamma energy distribution n_n_4



Gamma angles distribution

n_n_4

Probability

10^0

10^6

*

$\cos(\theta)$

1.0

0.5

0

Neutron energy (eV)

10^6

5

0

5

10

15

20

25

30

35

40

45

50

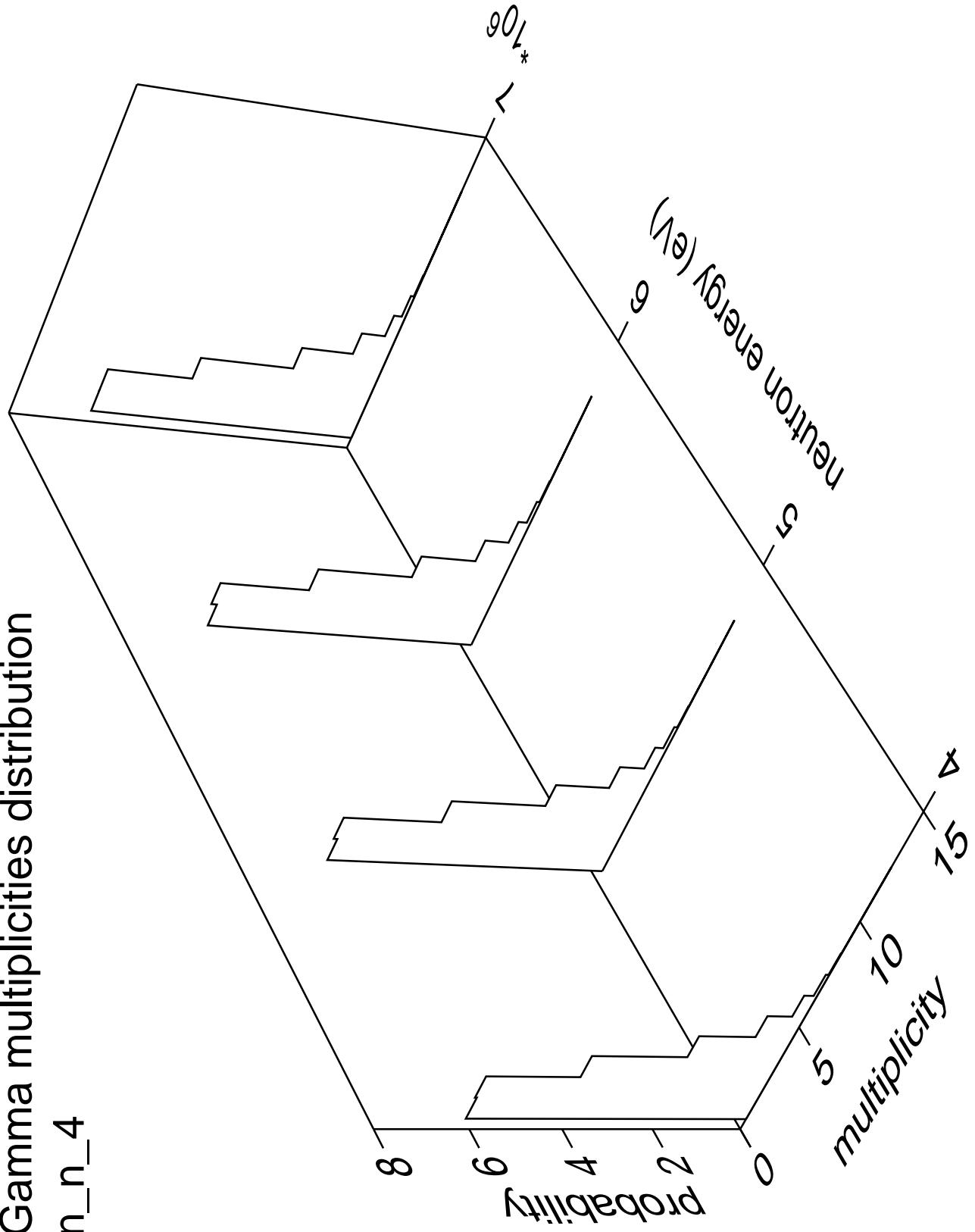
55

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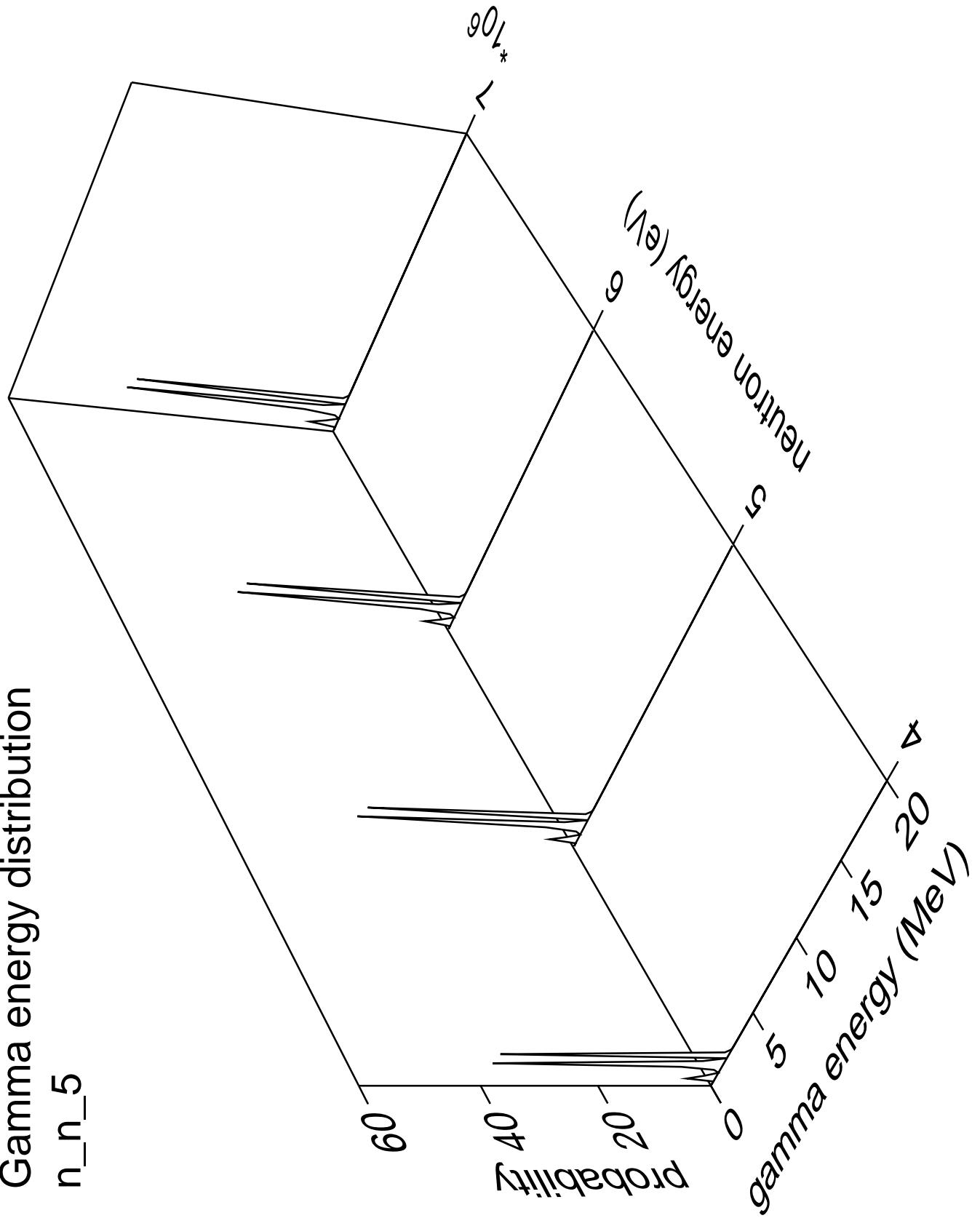
65

70

Gamma multiplicities distribution n_n_4



Gamma energy distribution



Gamma angles distribution

n_n_5

Probability

10^0

10^6

*

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X

Z

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

A

B

C

D

E

F

G

H

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J

K

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Q

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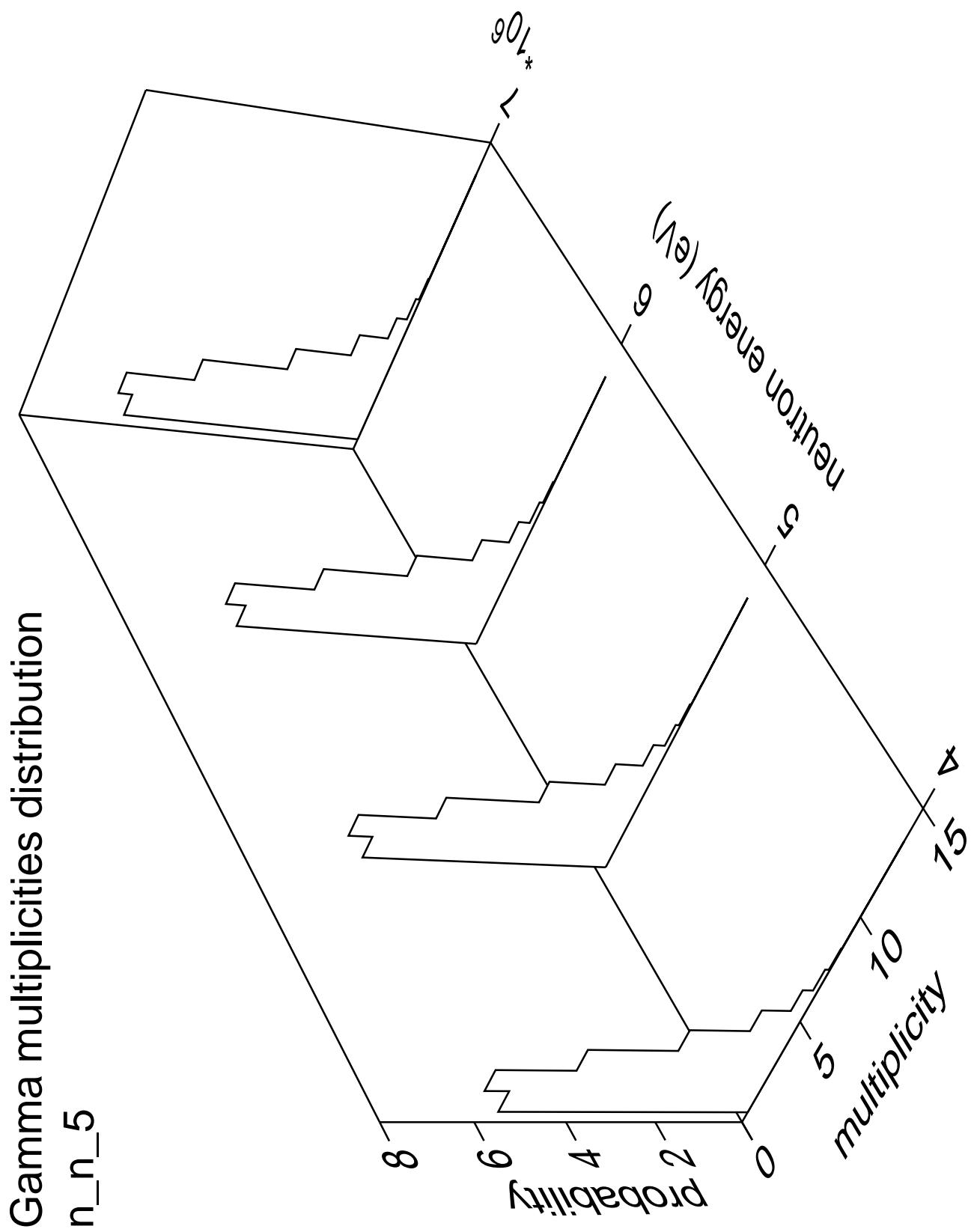
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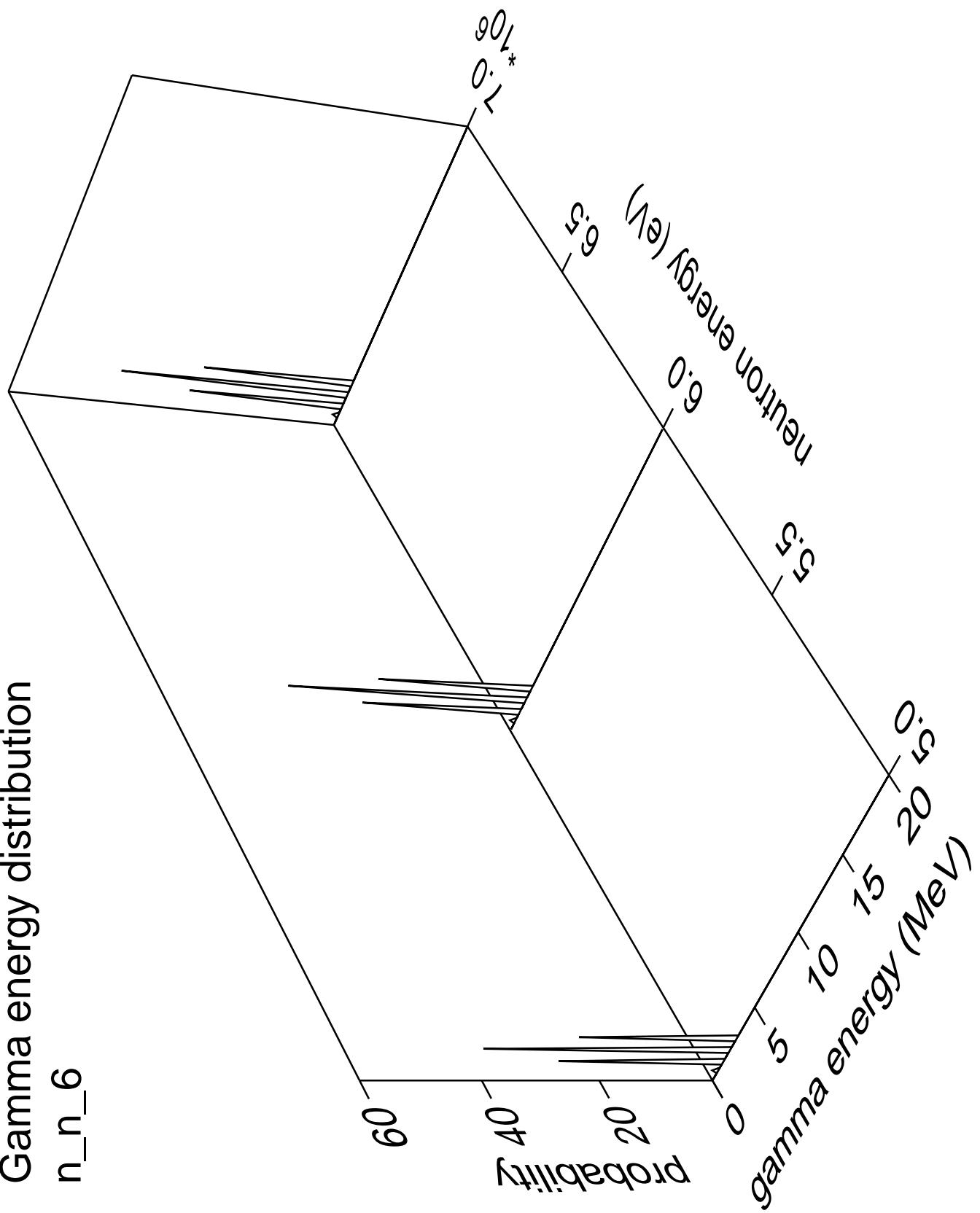
U

V



Gamma energy distribution

n_n_6



Gamma angles distribution

n_n_6

Probability

10^0

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Neutron energy (eV)

10^0

0.5

0.0

-0.5

-1.0

Gamma multiplicities distribution

n_n_6

8

6

4

2

0

Probability

5
10
15

0
5
10
15

5
10
15

Neutron energy (eV)

10^6

10^5

10^4

10^3

10^2

10^1

10^0

10^{-1}

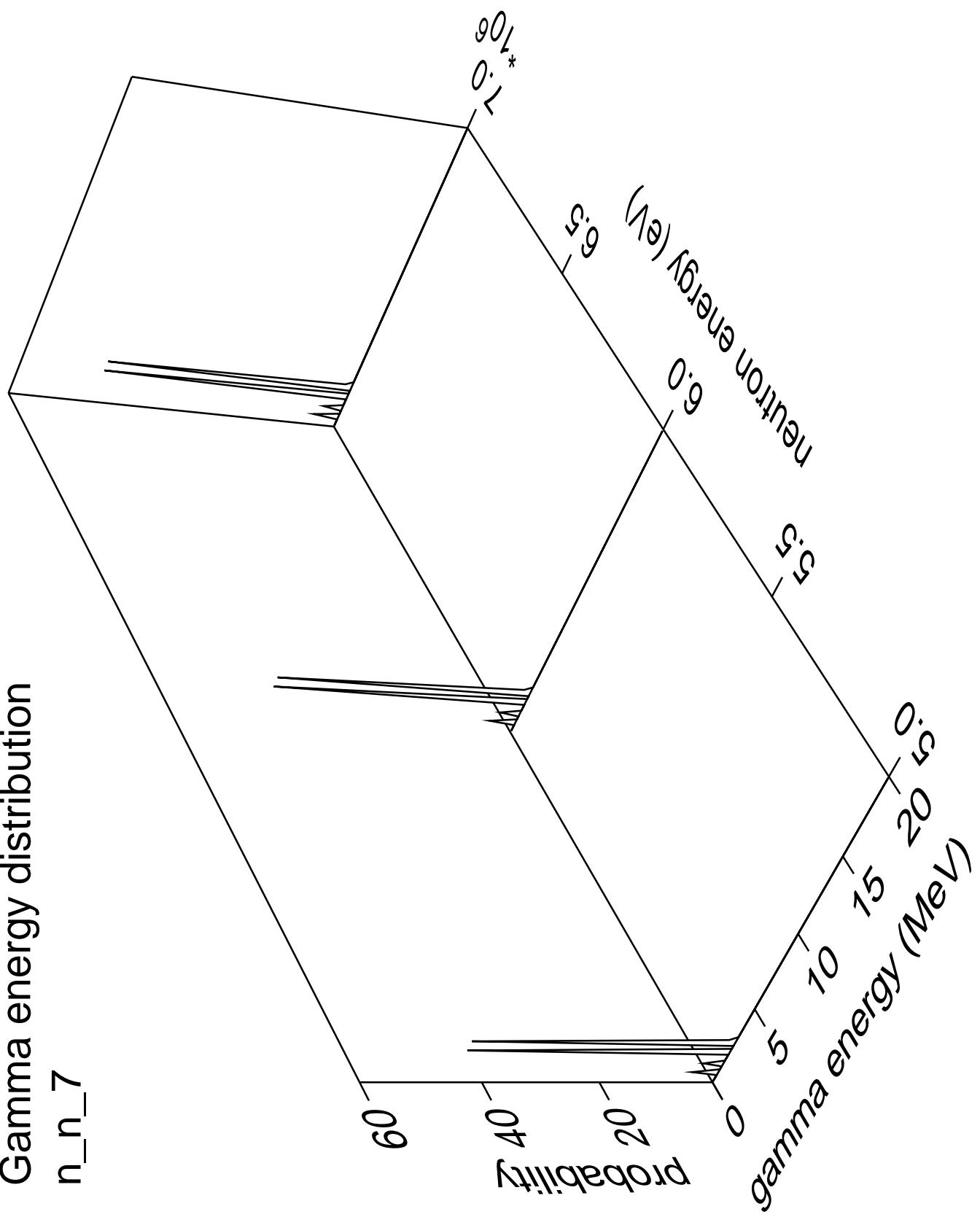
10^{-2}

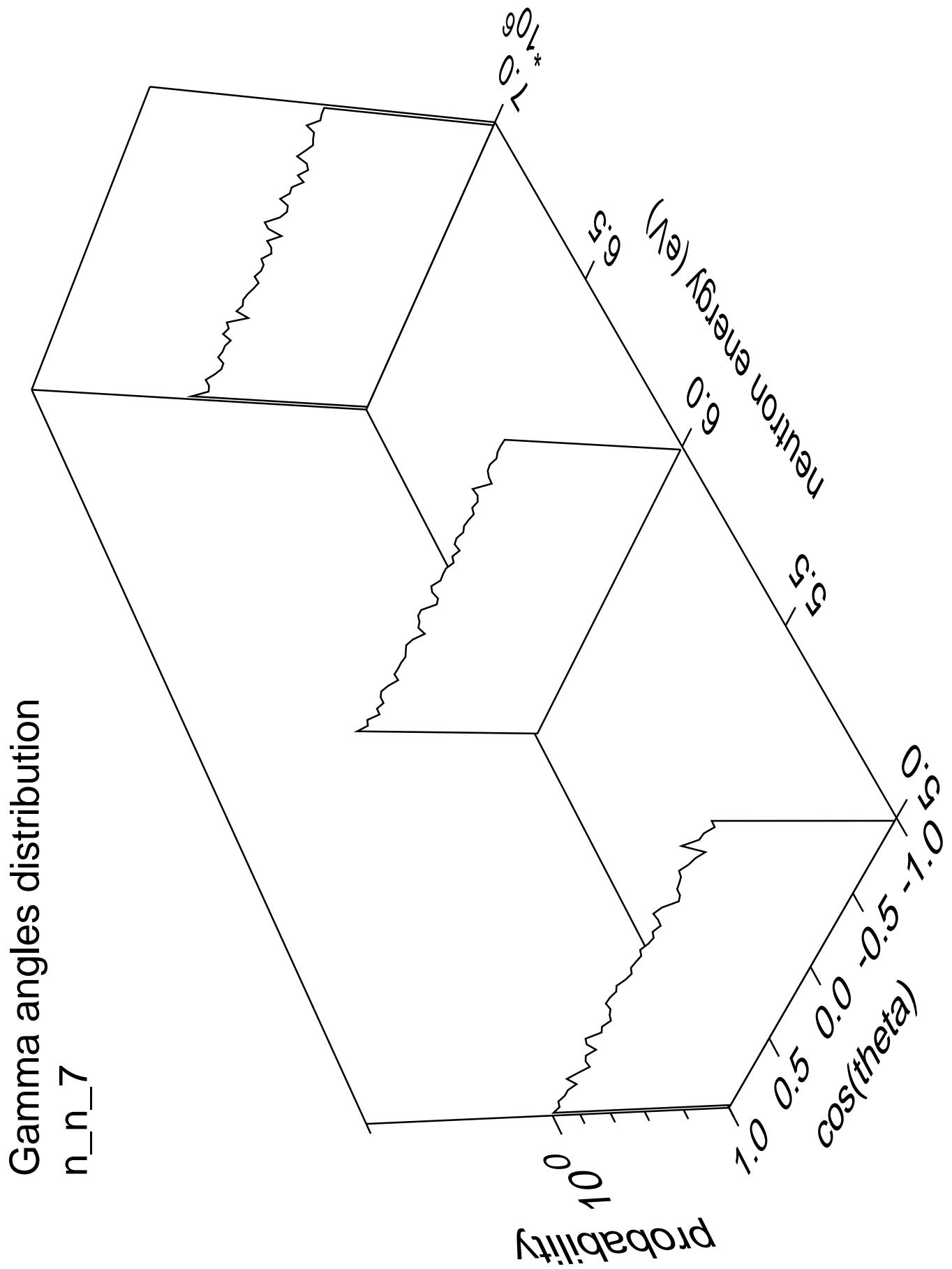
10^{-3}

10^{-4}

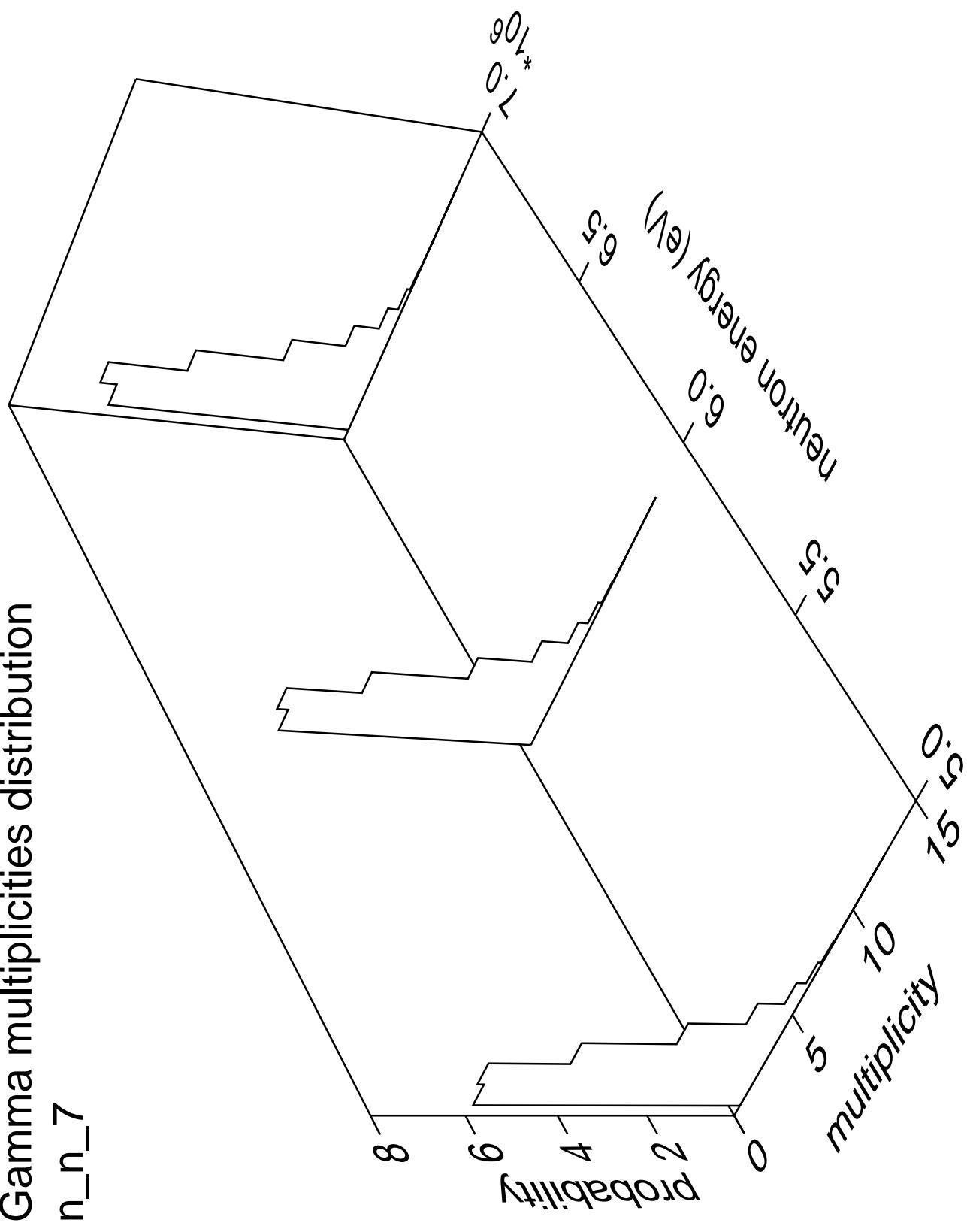
multiplicity

Gamma energy distribution

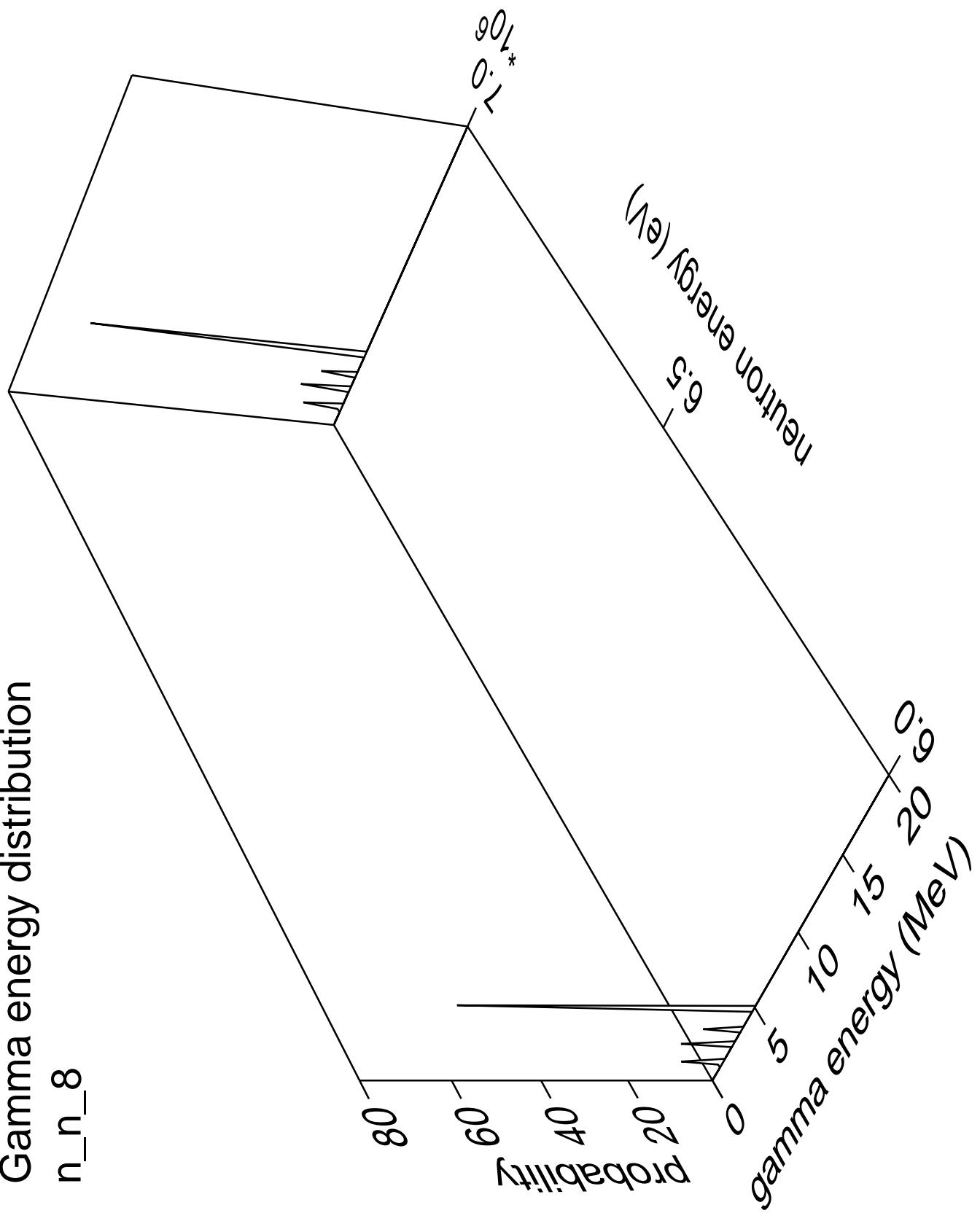


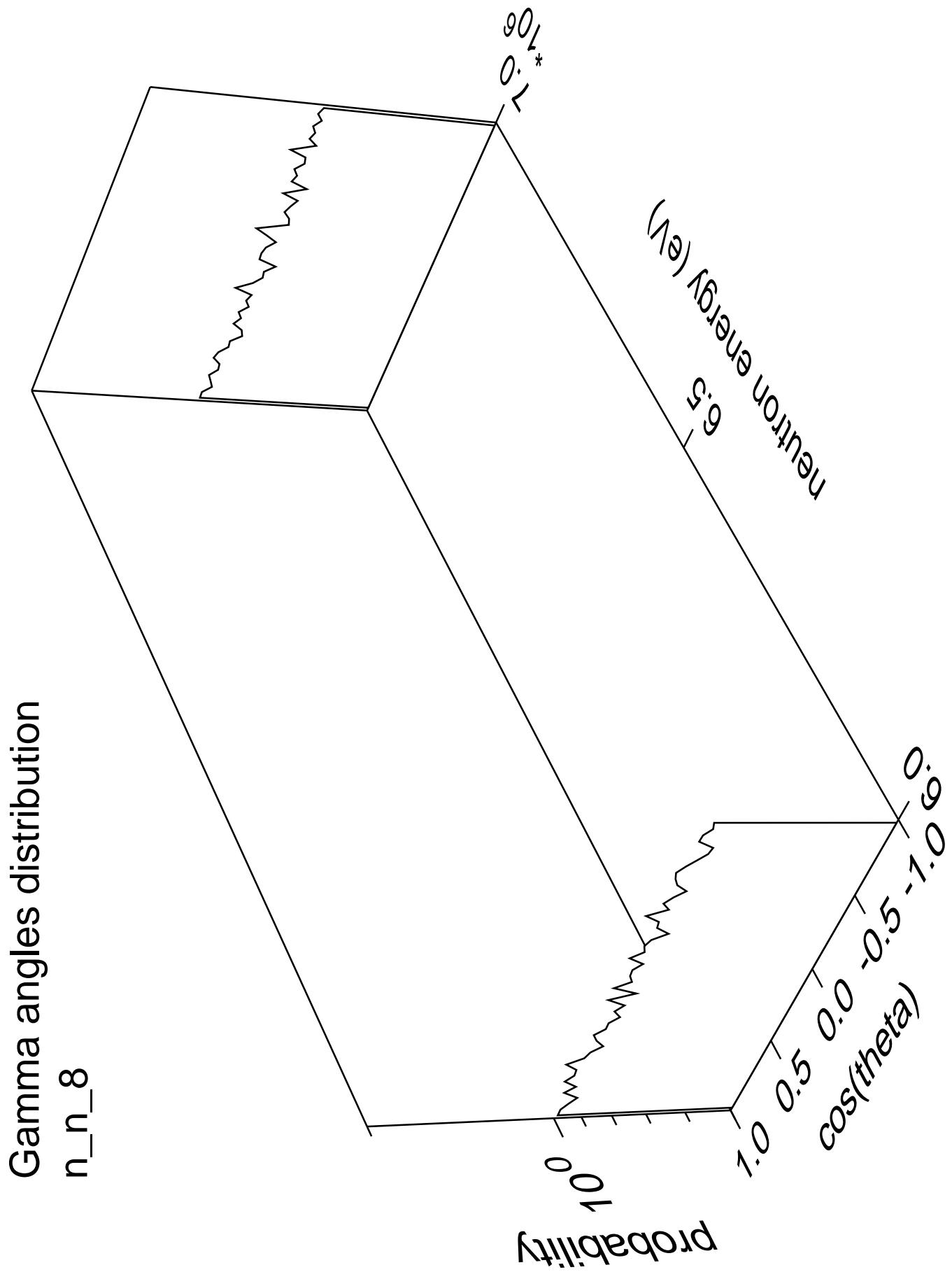


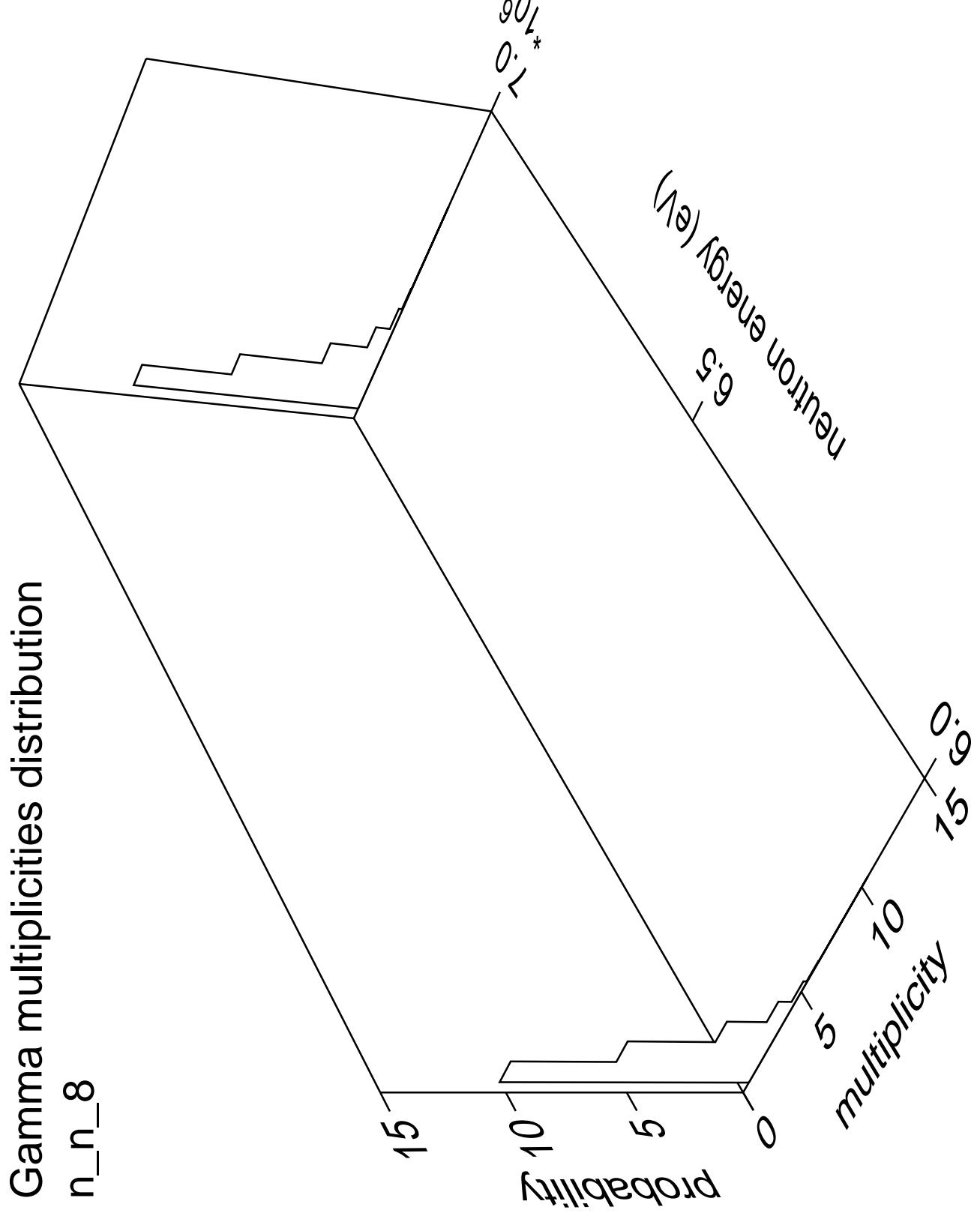
Gamma multiplicities distribution



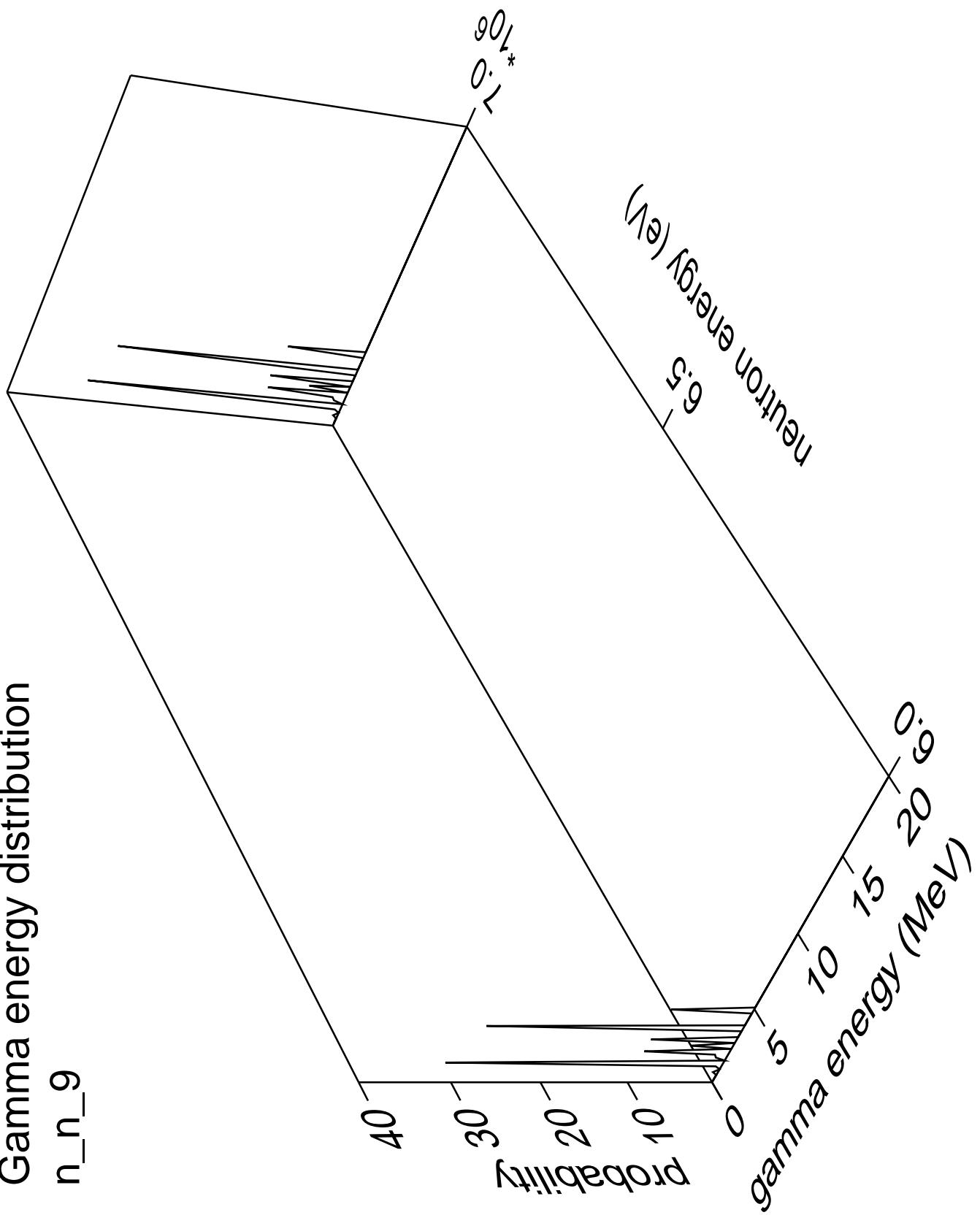
Gamma energy distribution
n_n_8







Gamma energy distribution n_n_9



Gamma angles distribution

n_n_9

Probability

10^0

10^{-1}

10^{-2}

10^{-3}

10^{-4}

10^{-5}

10^{-6}

10^{-7}

10^{-8}

10^{-9}

10^{-10}

10^{-11}

10^{-12}

10^{-13}

10^{-14}

10^{-15}

10^{-16}

10^{-17}

10^{-18}

10^{-19}

10^{-20}

10^{-21}

10^{-22}

10^{-23}

10^{-24}

10^{-25}

10^{-26}

10^{-27}

10^{-28}

10^{-29}

10^{-30}

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

neutron energy (eV)

10^0

10^{-1}

10^{-2}

10^{-3}

10^{-4}

10^{-5}

10^{-6}

10^{-7}

10^{-8}

10^{-9}

10^{-10}

10^{-11}

10^{-12}

10^{-13}

10^{-14}

10^{-15}

10^{-16}

10^{-17}

10^{-18}

10^{-19}

10^{-20}

10^{-21}

10^{-22}

10^{-23}

10^{-24}

10^{-25}

10^{-26}

10^{-27}

10^{-28}

10^{-29}

10^{-30}

Gamma multiplicities distribution

n_n_9

Probability

$\times 10^6$

0.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

4.0

4.5

5.0

5.5

6.0

8

6

4

2

0

5

10

15

multiplicity

Neutron energy (eV)

$\times 10^6$

0.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

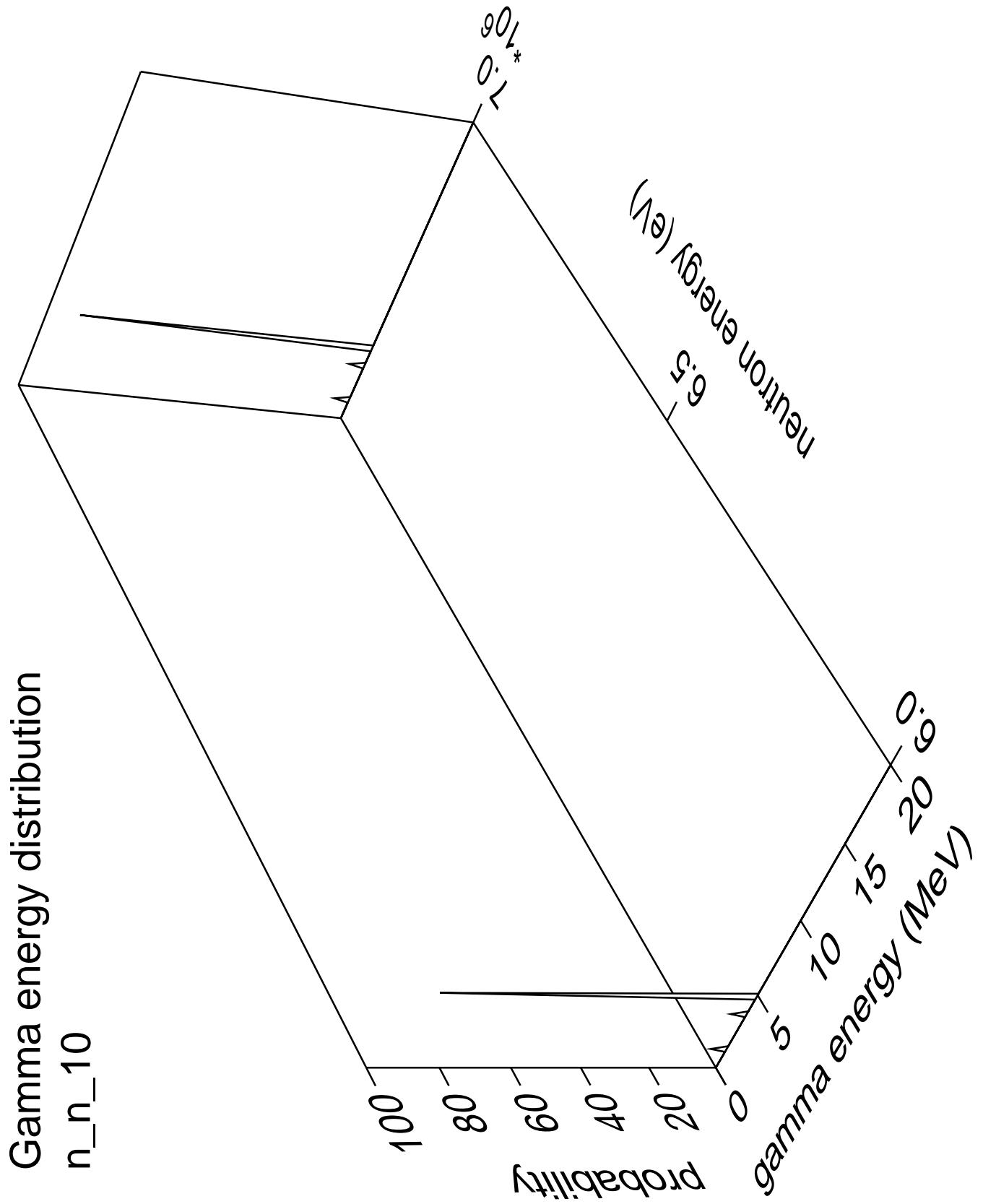
4.0

4.5

5.0

5.5

6.0



Gamma angles distribution

n_n_10

Probability

10^0

10^*

Neutron energy (eV)

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

Gamma multiplicities distribution

n_n_10

15

10

5

0

Probability

8
6
4
2
multiplicity

10⁻⁶

10⁻⁶

Neutron energy (eV)

Probability

Gamma energy distribution

n_n_11

40

30

20

10

5

0

Probability

0.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

4.0

*
10⁶

Neutron energy (eV)

gamma energy (MeV)

Gamma angles distribution

n_n_11

Probability

10^0

$\cos(\theta)$

1.0

0.5

0.0

1.0

0.5

0.0

Neutron energy (eV)

10^0

10^1

10^2

10^3

10^4

10^5

10^6

10^7

10^8

10^9

10^{10}

10^{11}

10^{12}

10^{13}

10^{14}

10^{15}

10^{16}

10^{17}

10^{18}

10^{19}

10^{20}

10^{21}

10^{22}

10^{23}

10^{24}

10^{25}

10^{26}

10^{27}

Gamma multiplicities distribution

n_n_11

6

4

2

0

probability

5

10

15

20

0

multiplicity

10^6

0.1

0.01

0.001

0.0001

0.00001

0.000001

0.0000001

0.00000001

0.000000001

0.0000000001

0.00000000001

0.000000000001

0.0000000000001

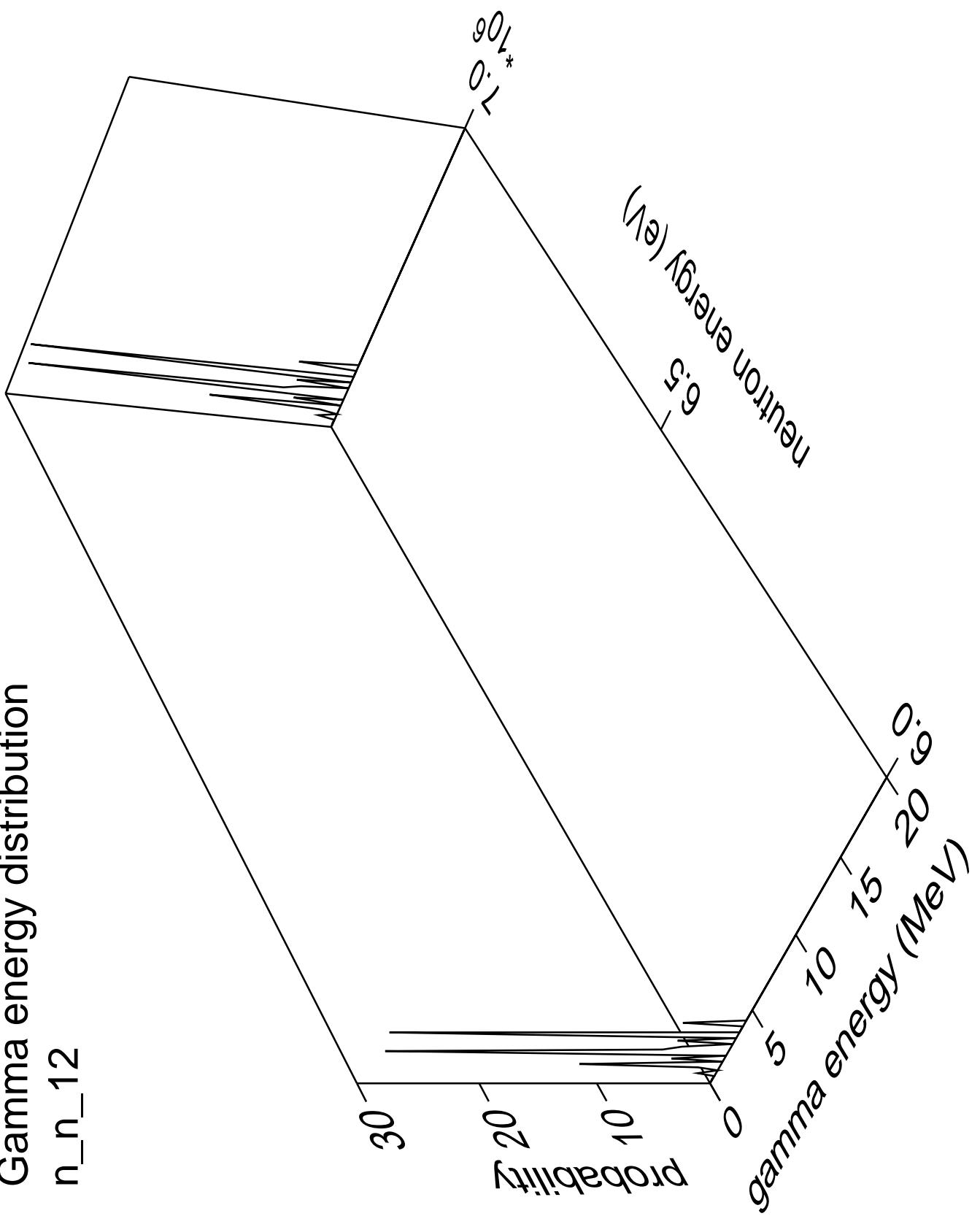
0.00000000000001

0.000000000000001

0.0000000000000001

Neutron energy (eV)

Gamma energy distribution n_n_12



Gamma angles distribution

n_{n_12}

Probability

10^0

10^*

Neutron energy (eV)

$\cos(\theta)$

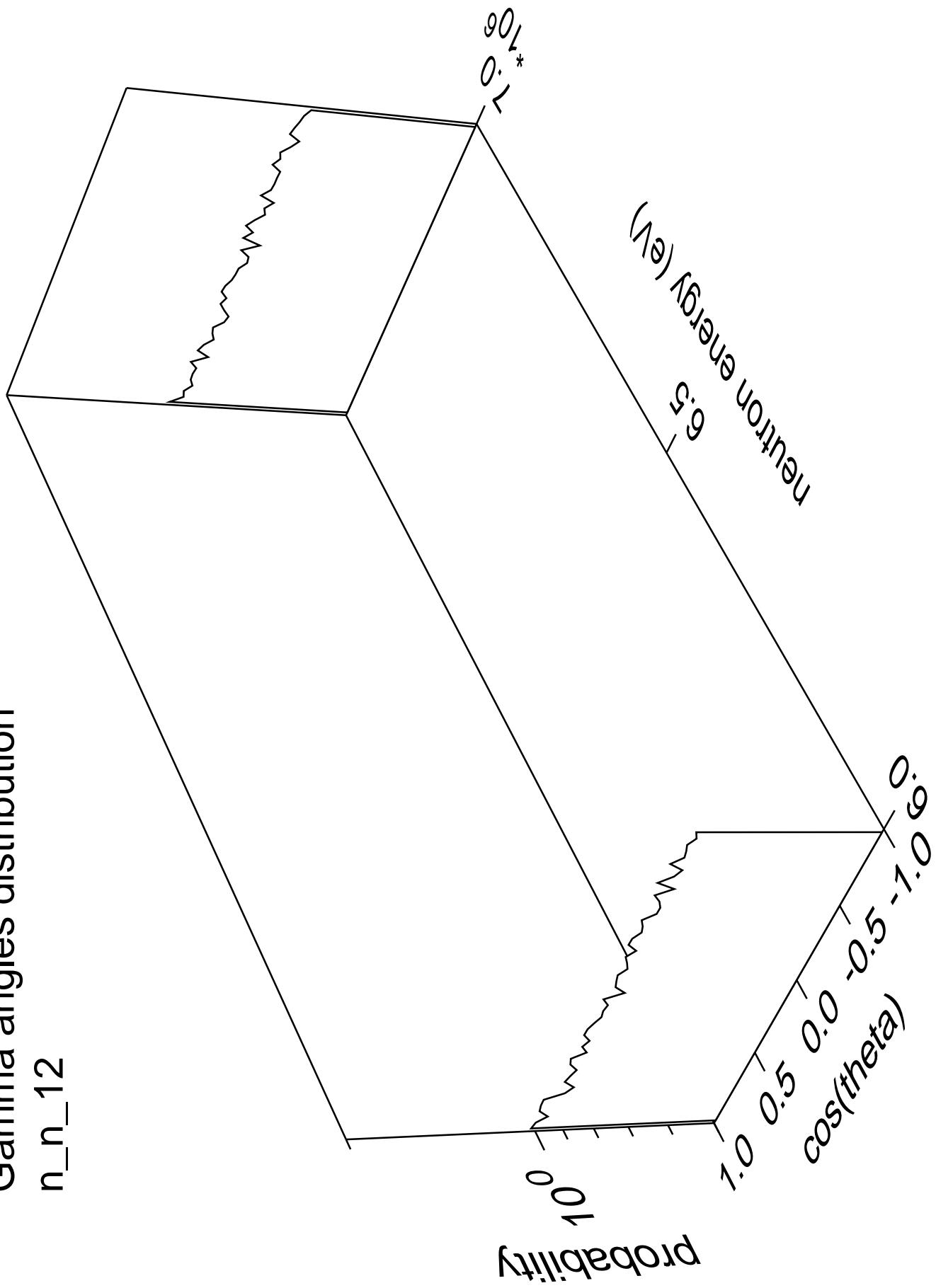
1.0

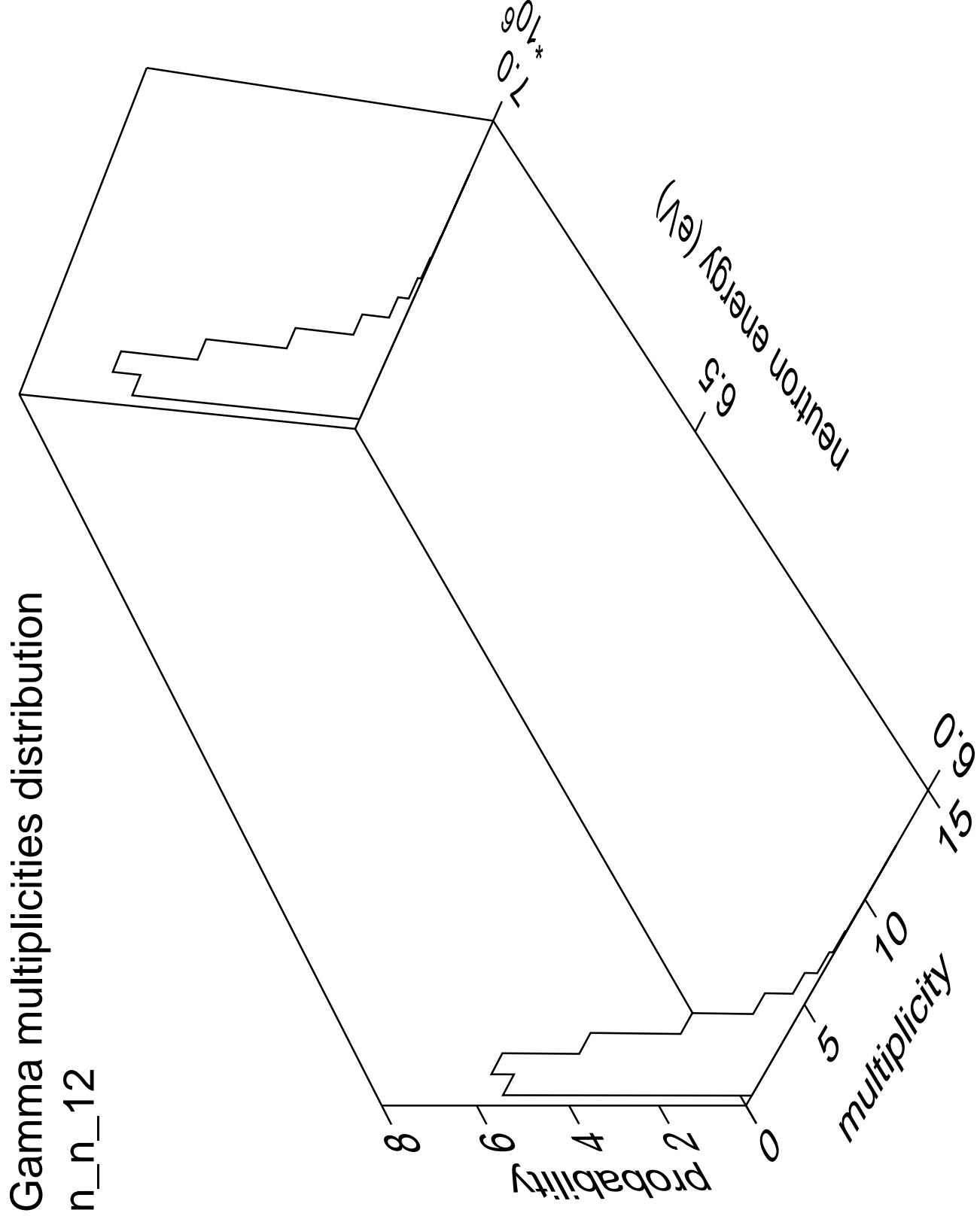
0.5

0.0

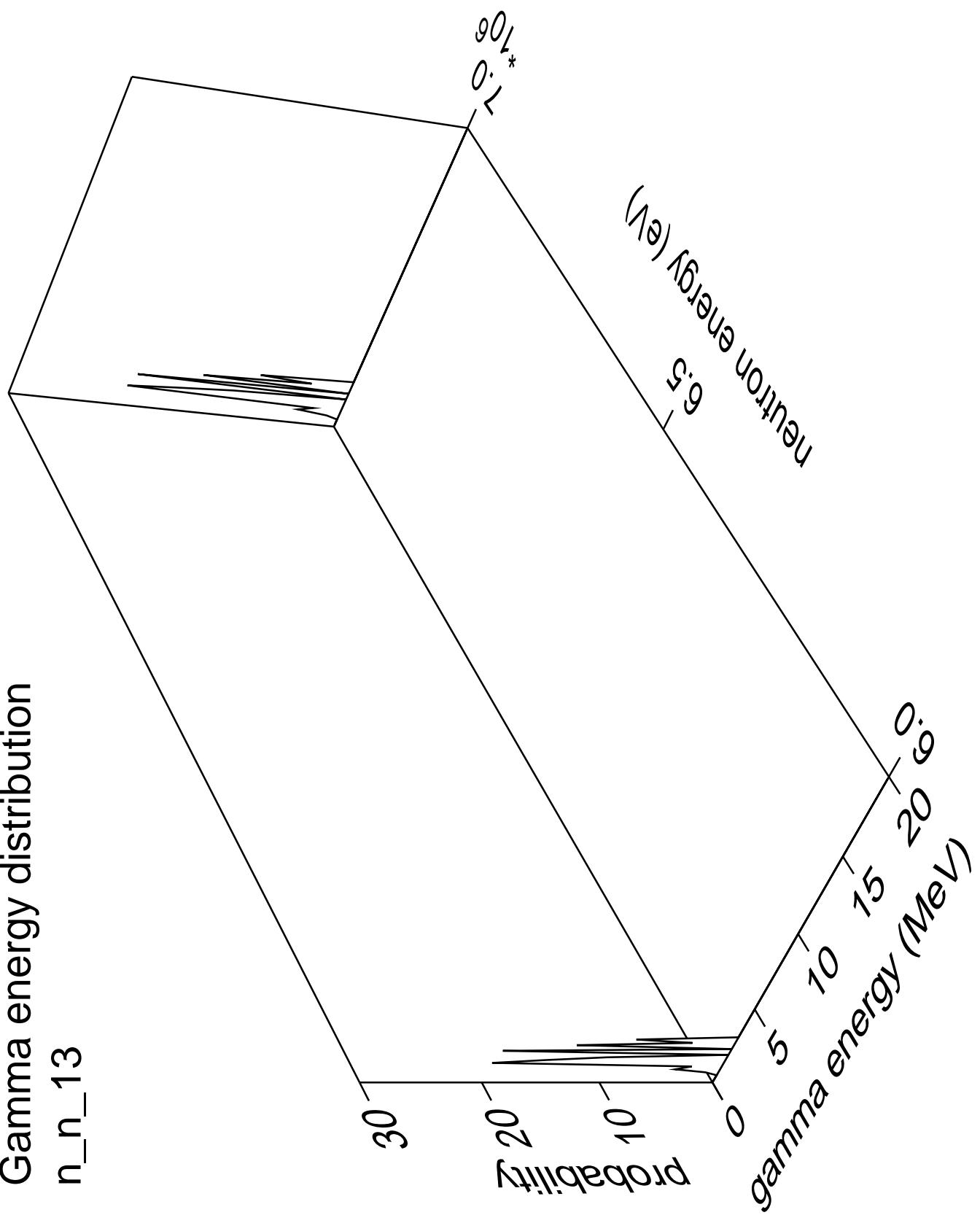
-0.5

-1.0





Gamma energy distribution n_n_13



Gamma angles distribution

n_n_13

Probability

10^0

10^{-1}

Neutron energy (eV)

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

10⁻¹

10⁰

10¹

10²

10³

10⁴

10⁵

10⁶

10⁷

10⁸

10⁹

10¹⁰

10¹¹

10¹²

10¹³

10¹⁴

10¹⁵

10¹⁶

10¹⁷

10¹⁸

10¹⁹

10²⁰

10²¹

10²²

10²³

10²⁴

10²⁵

10²⁶

10²⁷

10²⁸

10²⁹

10³⁰

10³¹

10³²

10³³

10³⁴

10³⁵

10³⁶

10³⁷

10³⁸

10³⁹

10⁴⁰

10⁴¹

10⁴²

10⁴³

10⁴⁴

10⁴⁵

10⁴⁶

10⁴⁷

10⁴⁸

10⁴⁹

10⁵⁰

10⁵¹

10⁵²

10⁵³

10⁵⁴

10⁵⁵

10⁵⁶

10⁵⁷

10⁵⁸

10⁵⁹

10⁶⁰

10⁶¹

10⁶²

10⁶³

10⁶⁴

10⁶⁵

10⁶⁶

10⁶⁷

10⁶⁸

10⁶⁹

10⁷⁰

10⁷¹

10⁷²

10⁷³

10⁷⁴

10⁷⁵

10⁷⁶

10⁷⁷

10⁷⁸

10⁷⁹

10⁸⁰

10⁸¹

10⁸²

10⁸³

10⁸⁴

10⁸⁵

10⁸⁶

10⁸⁷

10⁸⁸

10⁸⁹

10⁹⁰

10⁹¹

10⁹²

10⁹³

10⁹⁴

10⁹⁵

10⁹⁶

10⁹⁷

10⁹⁸

10⁹⁹

10¹⁰⁰

10¹⁰¹

10¹⁰²

10¹⁰³

10¹⁰⁴

10¹⁰⁵

10¹⁰⁶

10¹⁰⁷

10¹⁰⁸

10¹⁰⁹

10¹¹⁰

10¹¹¹

10¹¹²

10¹¹³

10¹¹⁴

10¹¹⁵

10¹¹⁶

10¹¹⁷

10¹¹⁸

10¹¹⁹

10¹²⁰

10¹²¹

10¹²²

10¹²³

10¹²⁴

10¹²⁵

10¹²⁶

10¹²⁷

10¹²⁸

10¹²⁹

10¹³⁰

10¹³¹

10¹³²

10¹³³

10¹³⁴

10¹³⁵

10¹³⁶

10¹³⁷

10¹³⁸

10¹³⁹

10¹⁴⁰

10¹⁴¹

10¹⁴²

10¹⁴³

10¹⁴⁴

10¹⁴⁵

10¹⁴⁶

10¹⁴⁷

10¹⁴⁸

10¹⁴⁹

10¹⁵⁰

10¹⁵¹

10¹⁵²

10¹⁵³

10¹⁵⁴

10¹⁵⁵

10¹⁵⁶

10¹⁵⁷

10¹⁵⁸

10¹⁵⁹

10¹⁶⁰

10¹⁶¹

10¹⁶²

10¹⁶³

10¹⁶⁴

10¹⁶⁵

10¹⁶⁶

10¹⁶⁷

10¹⁶⁸

10¹⁶⁹

10¹⁷⁰

10¹⁷¹

10¹⁷²

10¹⁷³

10¹⁷⁴

10¹⁷⁵

10¹⁷⁶

10¹⁷⁷

10¹⁷⁸

10¹⁷⁹

10¹⁸⁰

10¹⁸¹

10¹⁸²

10¹⁸³

10¹⁸⁴

10¹⁸⁵

10¹⁸⁶

10¹⁸⁷

10¹⁸⁸

10¹⁸⁹

10¹⁹⁰

10¹⁹¹

10¹⁹²

10¹⁹³

10¹⁹⁴

10¹⁹⁵

10¹⁹⁶

10¹⁹⁷

10¹⁹⁸

10¹⁹⁹

10²⁰⁰

10²⁰¹

10²⁰²

10²⁰³

10²⁰⁴

10²⁰⁵

10²⁰⁶

10²⁰⁷

10²⁰⁸

10²⁰⁹

10²¹⁰

10²¹¹

10²¹²

10²¹³

10²¹⁴

10²¹⁵

10²¹⁶

10²¹⁷

10²¹⁸

10²¹⁹

10²²⁰

10²²¹

10²²²

10²²³

10²²⁴

10²²⁵

10²²⁶

10²²⁷

10²²⁸

10²²⁹

10²³⁰

10²³¹

10²³²

10²³³

10²³⁴

10²³⁵

10²³⁶

10²³⁷

10²³⁸

10²³⁹

10²⁴⁰

10²⁴¹

10²⁴²

10²⁴³

10²⁴⁴

10²⁴⁵

10²⁴⁶

10²⁴⁷

10²⁴⁸

10²⁴⁹

10²⁵⁰

10²⁵¹

10²⁵²

10²⁵³

10²⁵⁴

10

Gamma multiplicities distribution

n_n_13

6

4
2

0

probability

5

10

15

20

0
5
10
15
20

multiplicity

Neutron energy (eV)

10^6

10^5

10^4

10^3

10^2

10^1

10^0

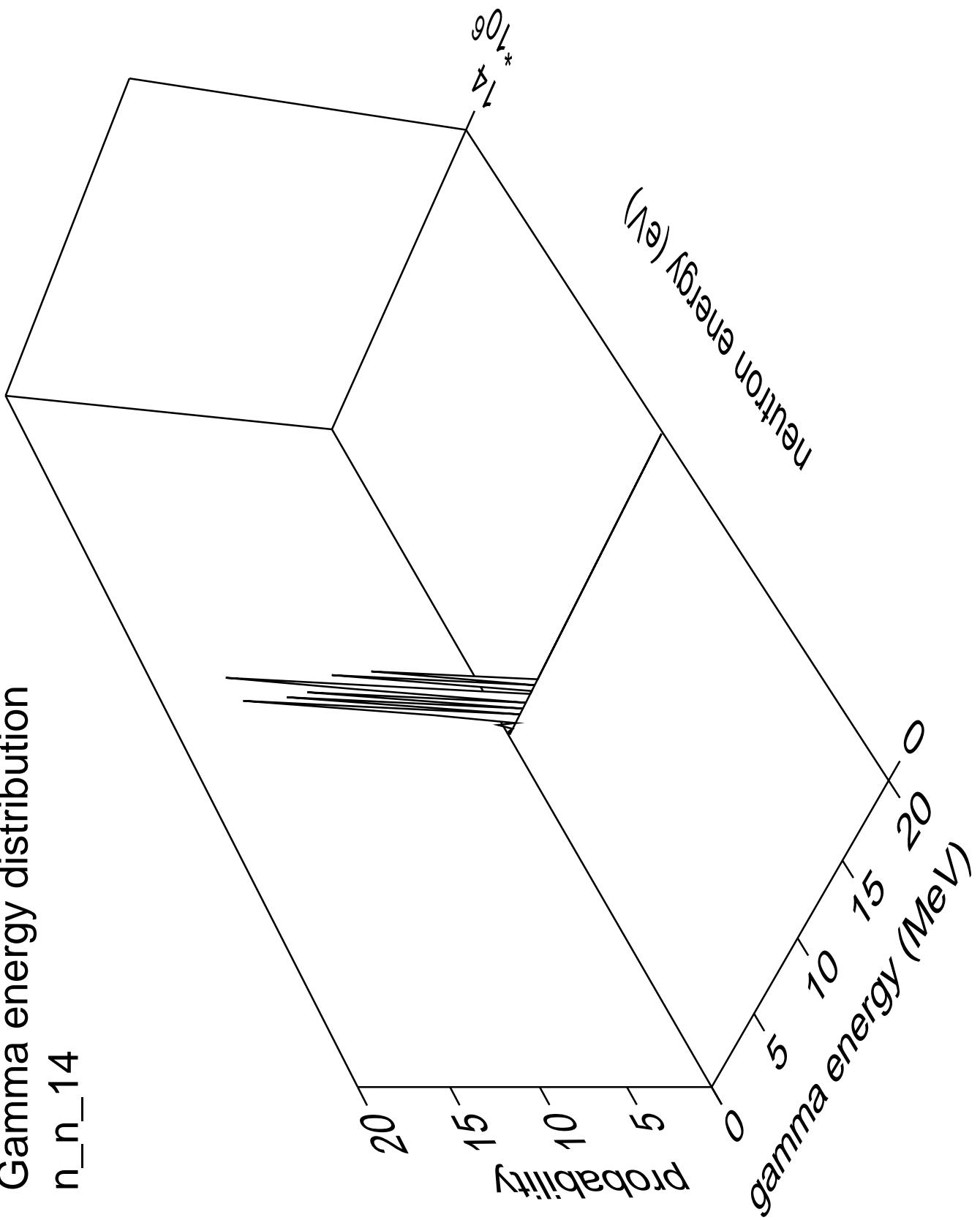
10^{-1}

10^{-2}

10^{-3}

10^{-4}

Gamma energy distribution n_n_14



Gamma angles distribution
n_n_14

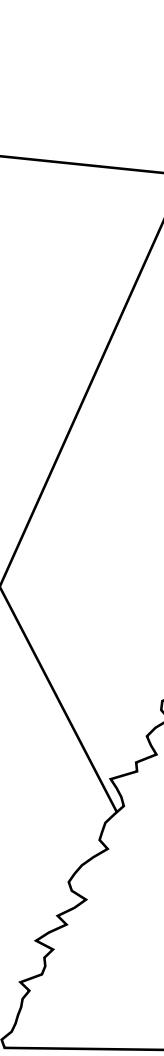
Probability

10^0

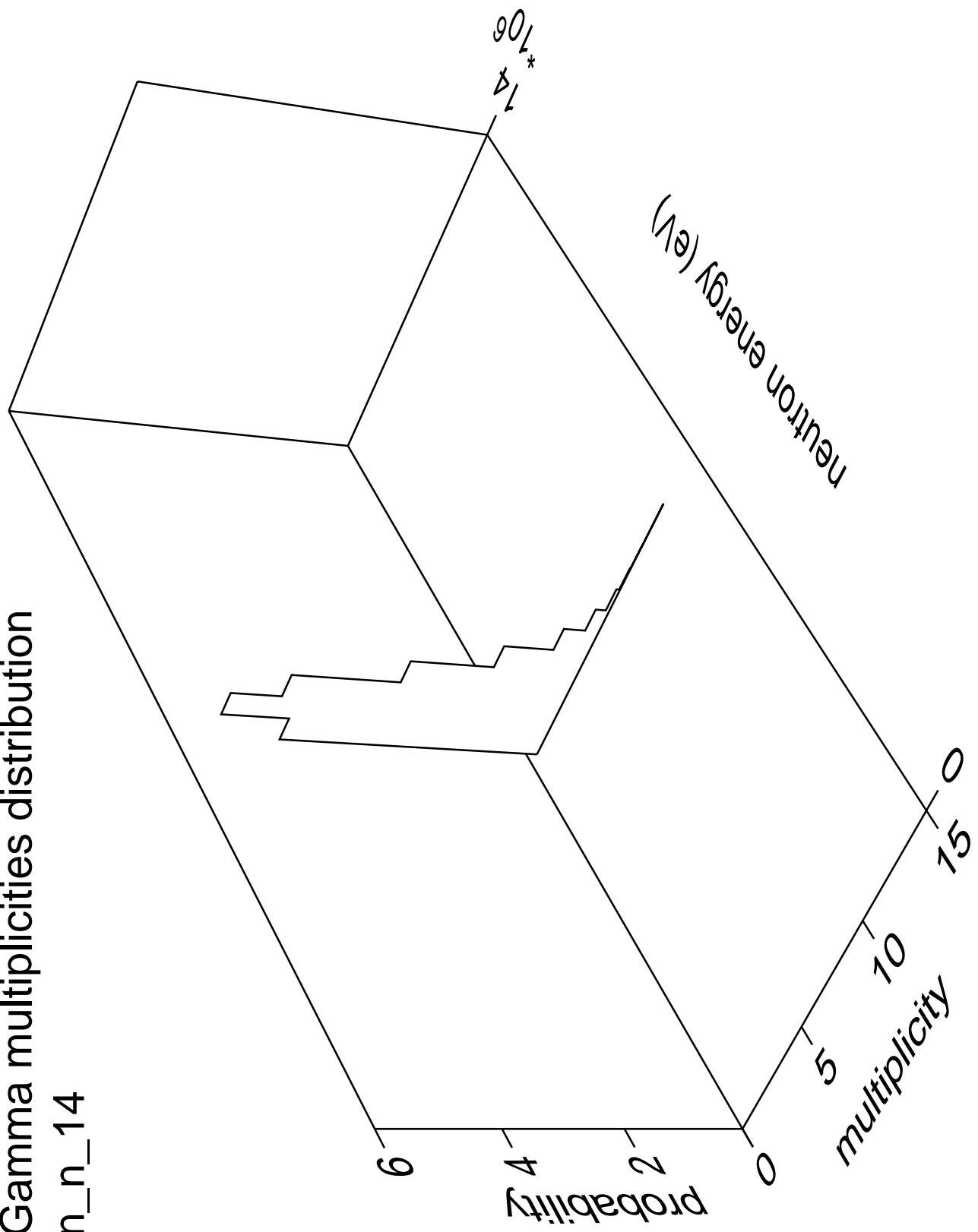
10^6

Neutron energy (eV)

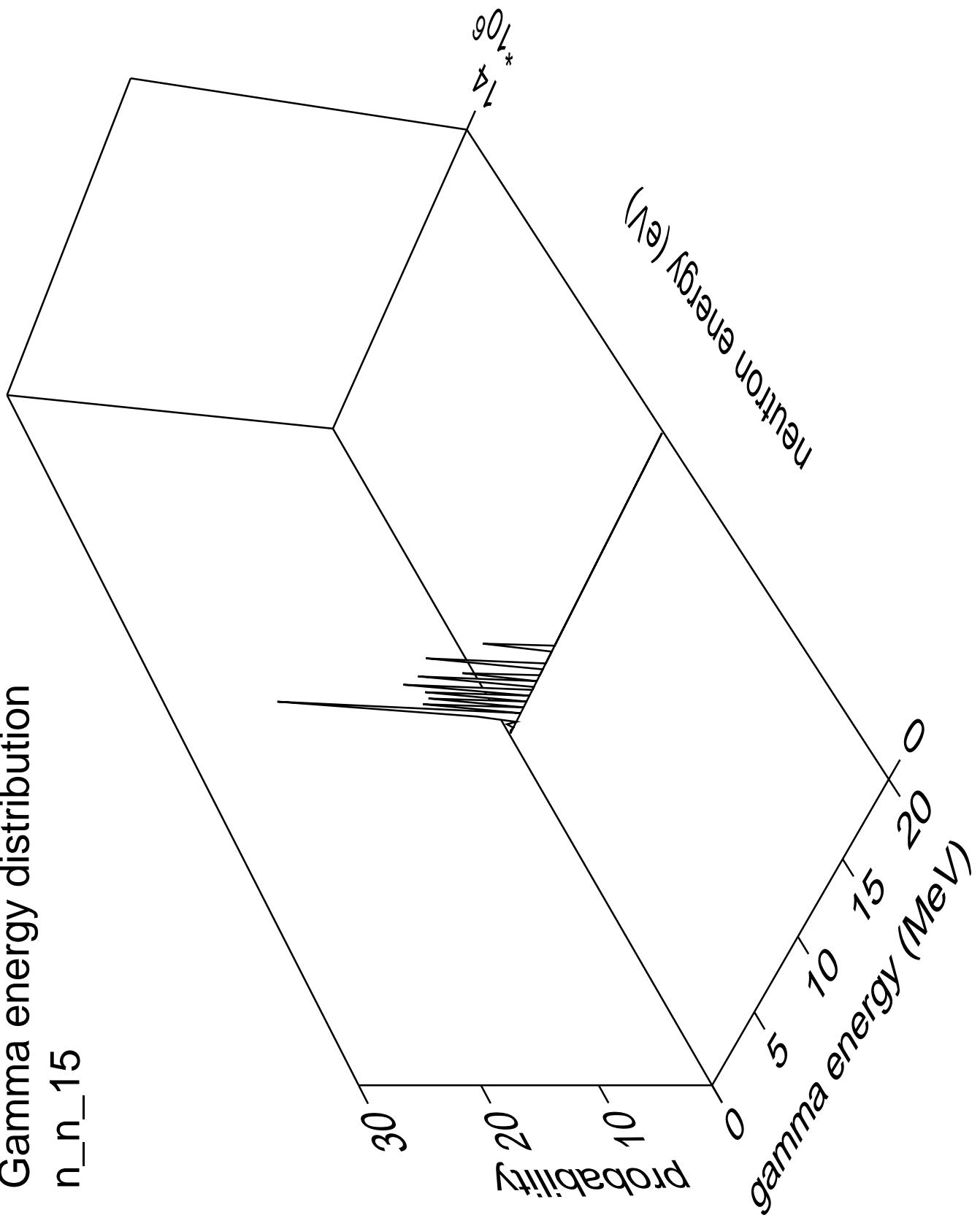
0.0 0.5 1.0
0.0 0.5 1.0
 $\cos(\theta)$



Gamma multiplicities distribution n_n_14



Gamma energy distribution n_n_15



Gamma angles distribution

n_n_15

Probability

10^0

10^4

10^6

neutron energy (eV)

cos(theta)

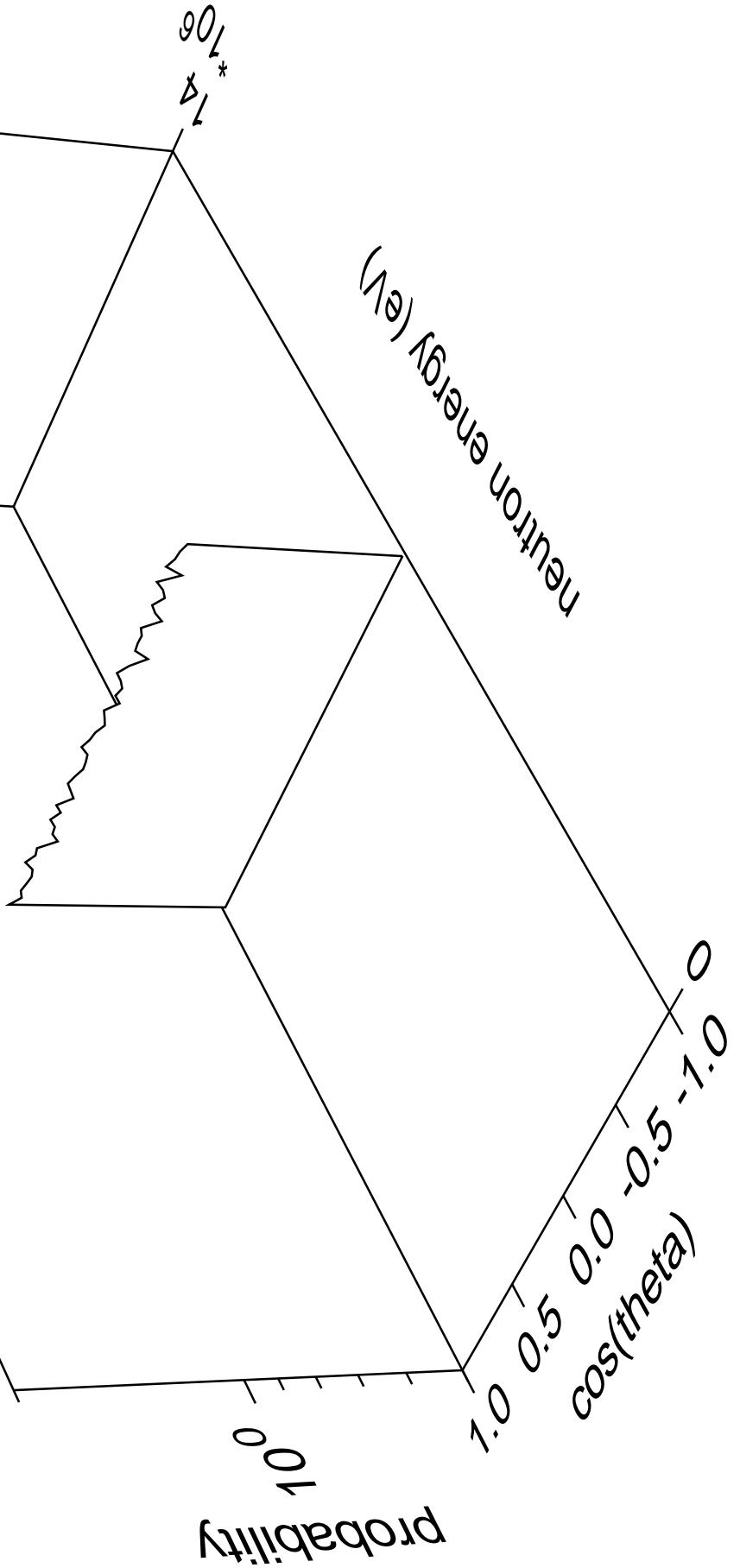
1.0

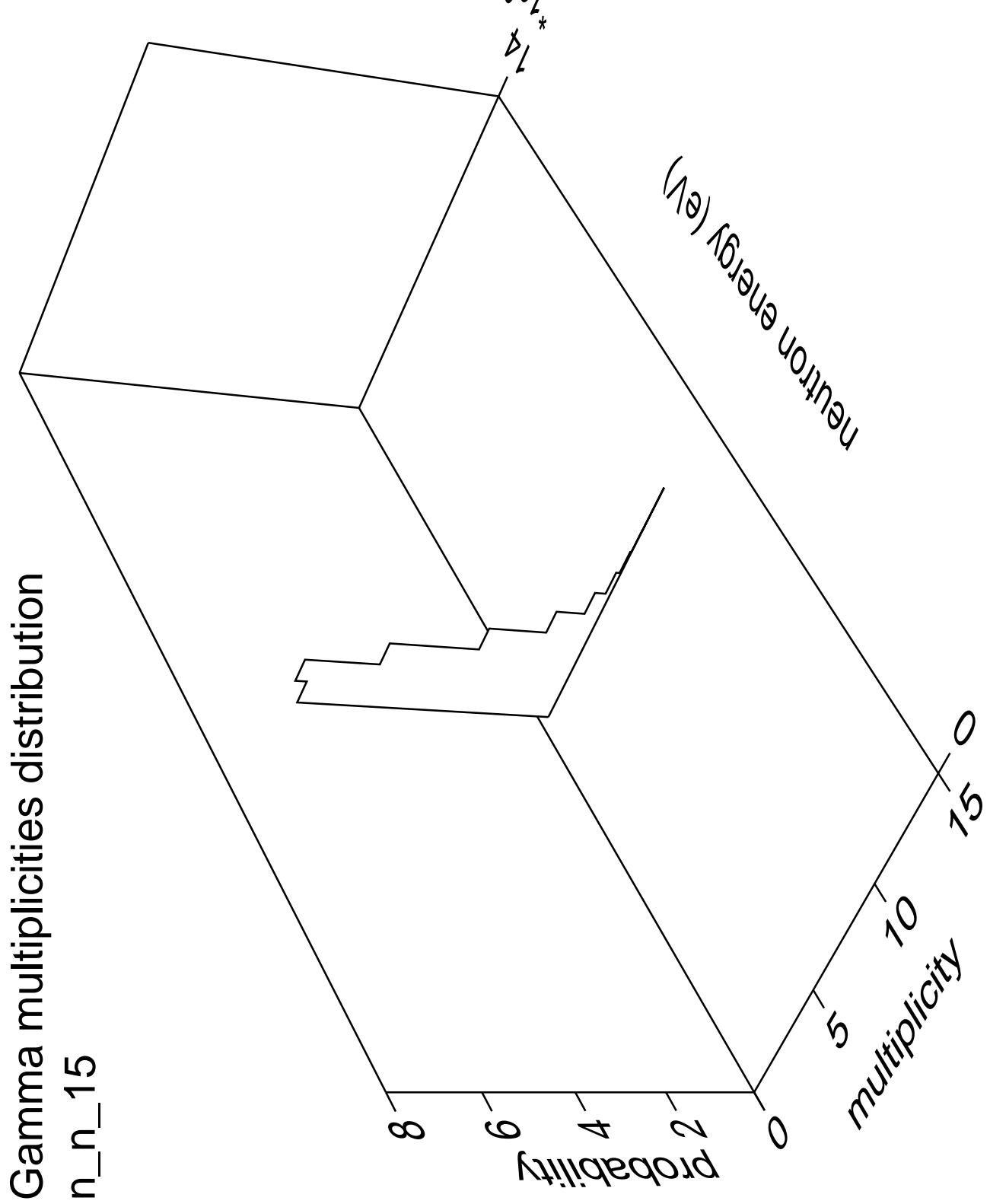
0.5

0.0

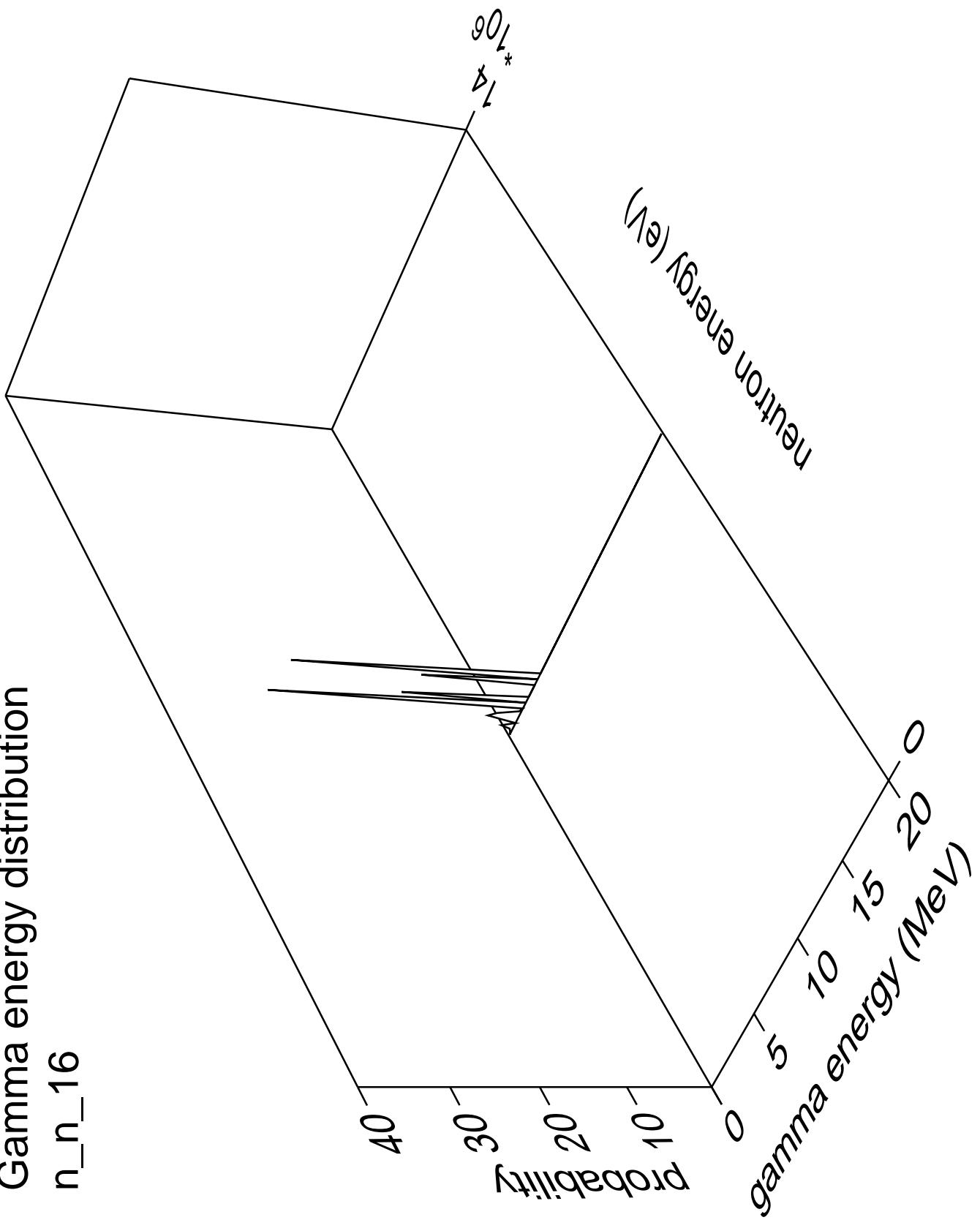
-0.5

-1.0





Gamma energy distribution n_n_16



Gamma angles distribution

n_n_16

Probability

10^0

10^4

10^6

$\cos(\theta)$

1.0

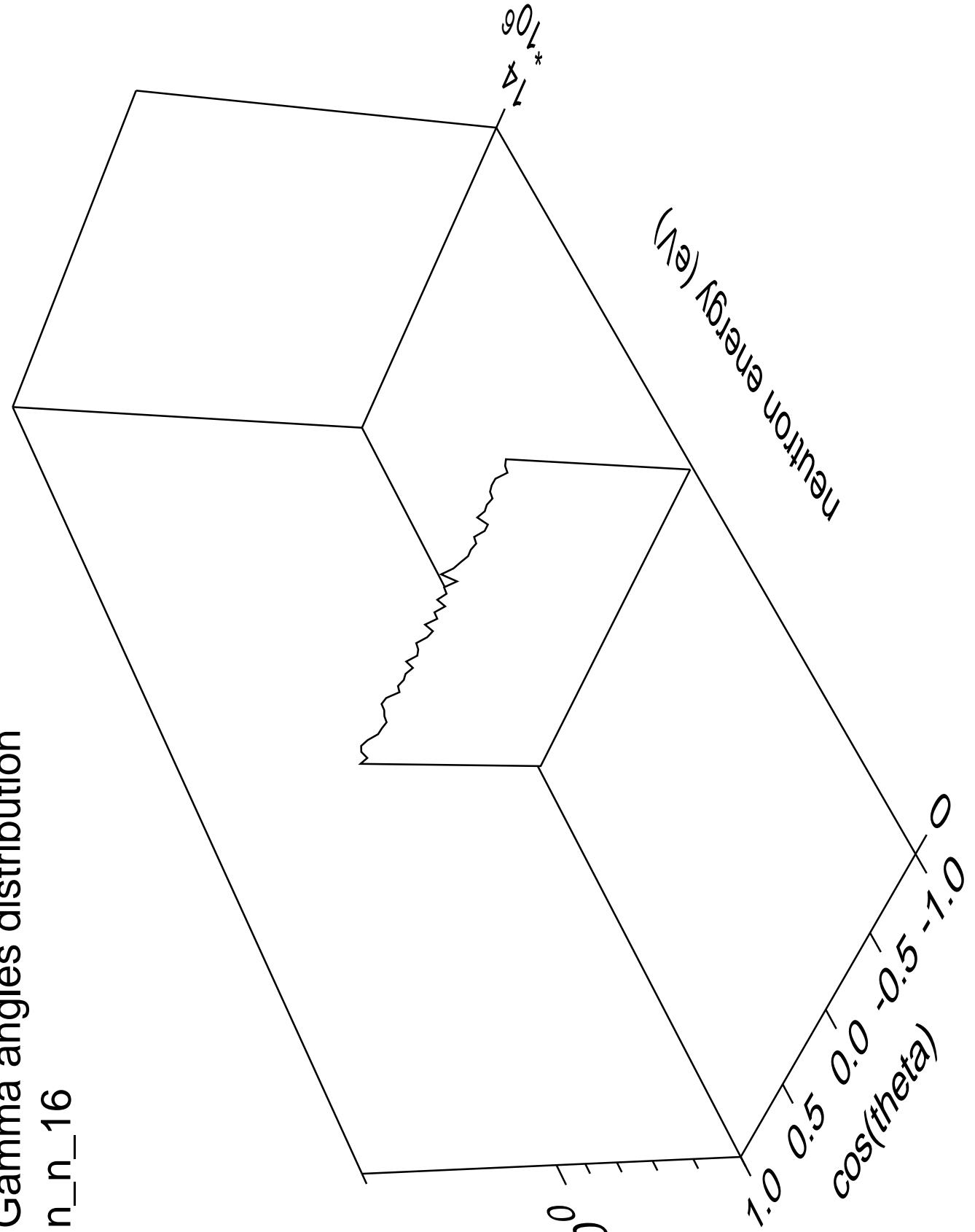
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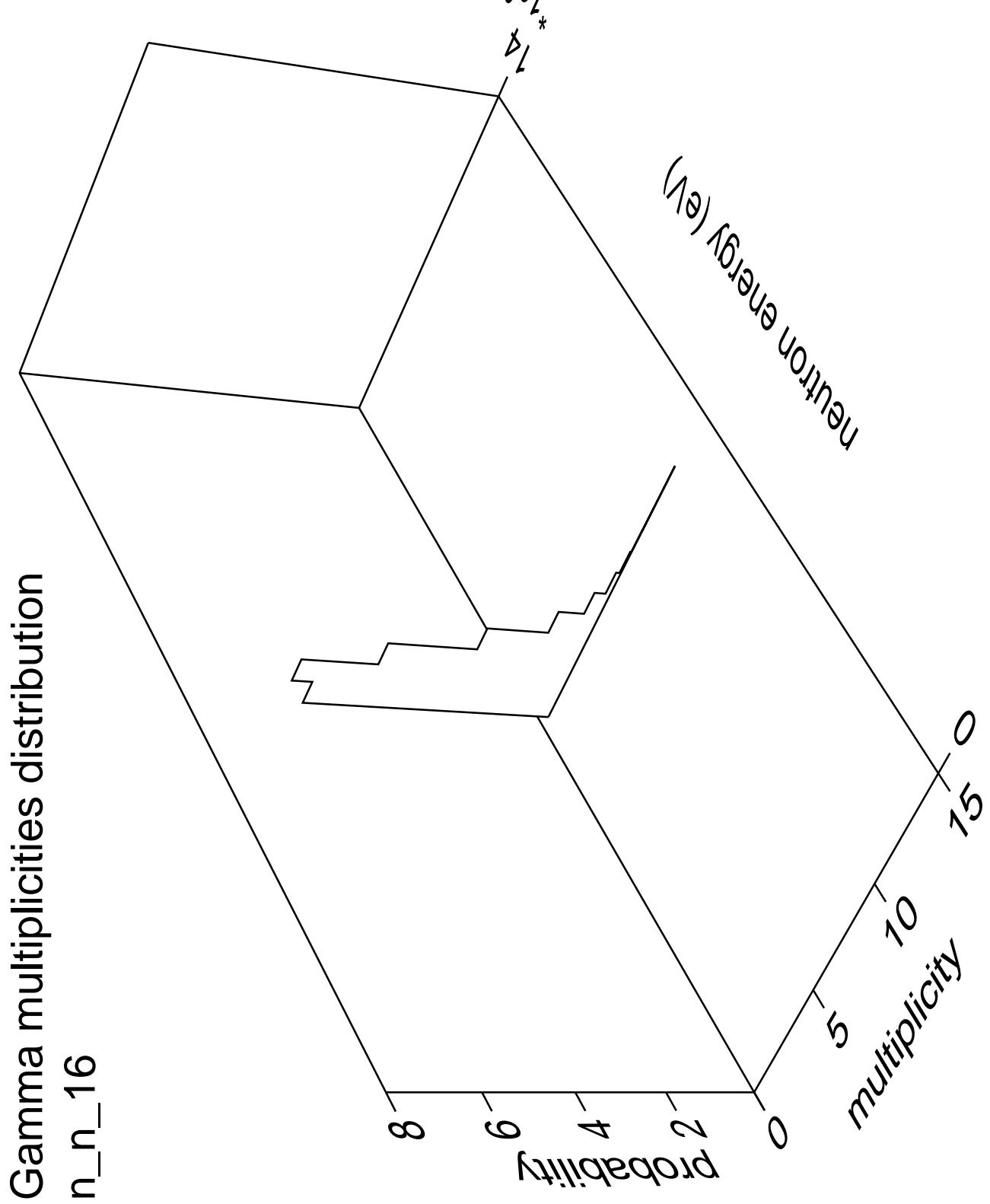
0.0

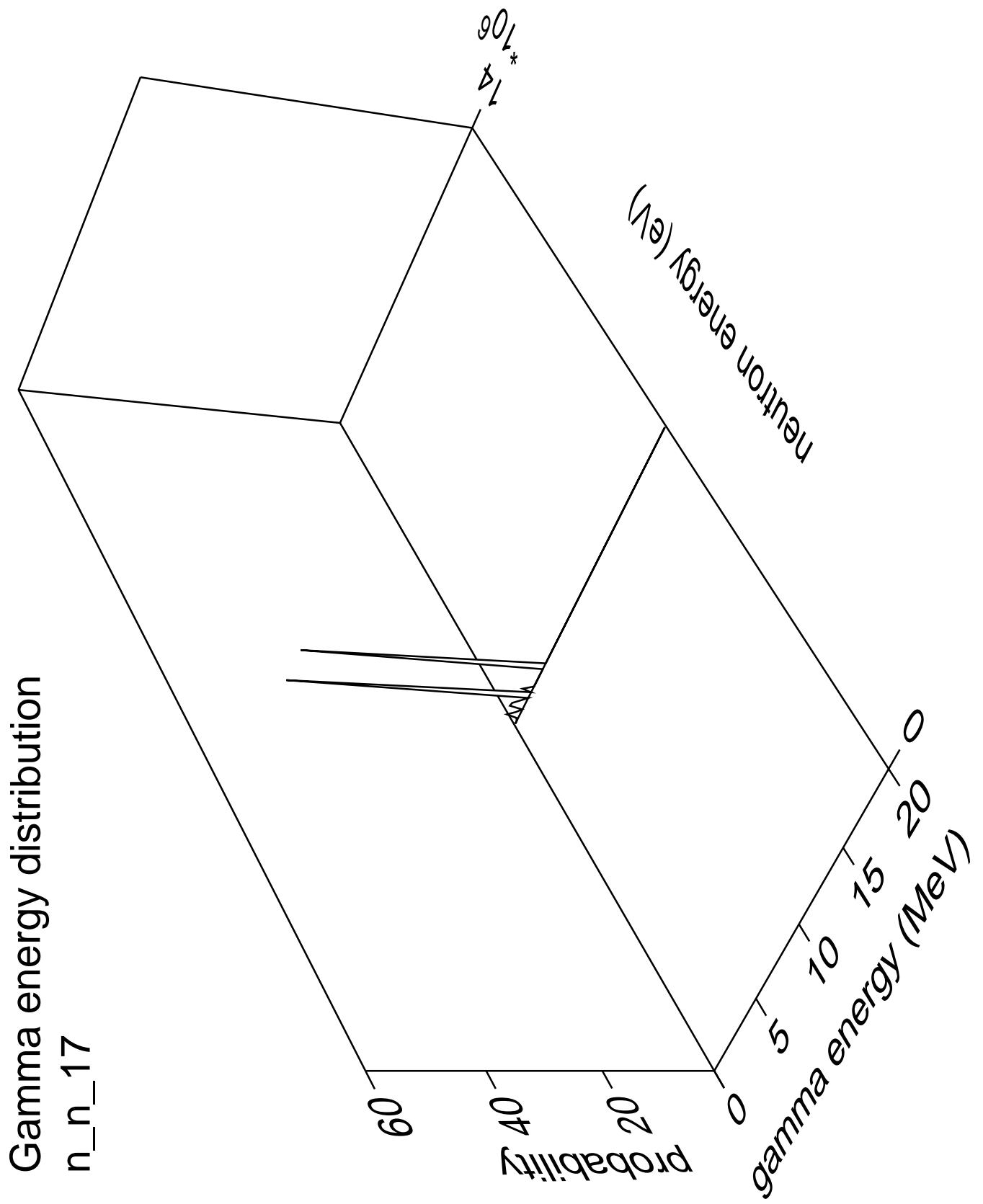
-0.5

-1.0

neutron energy (eV)

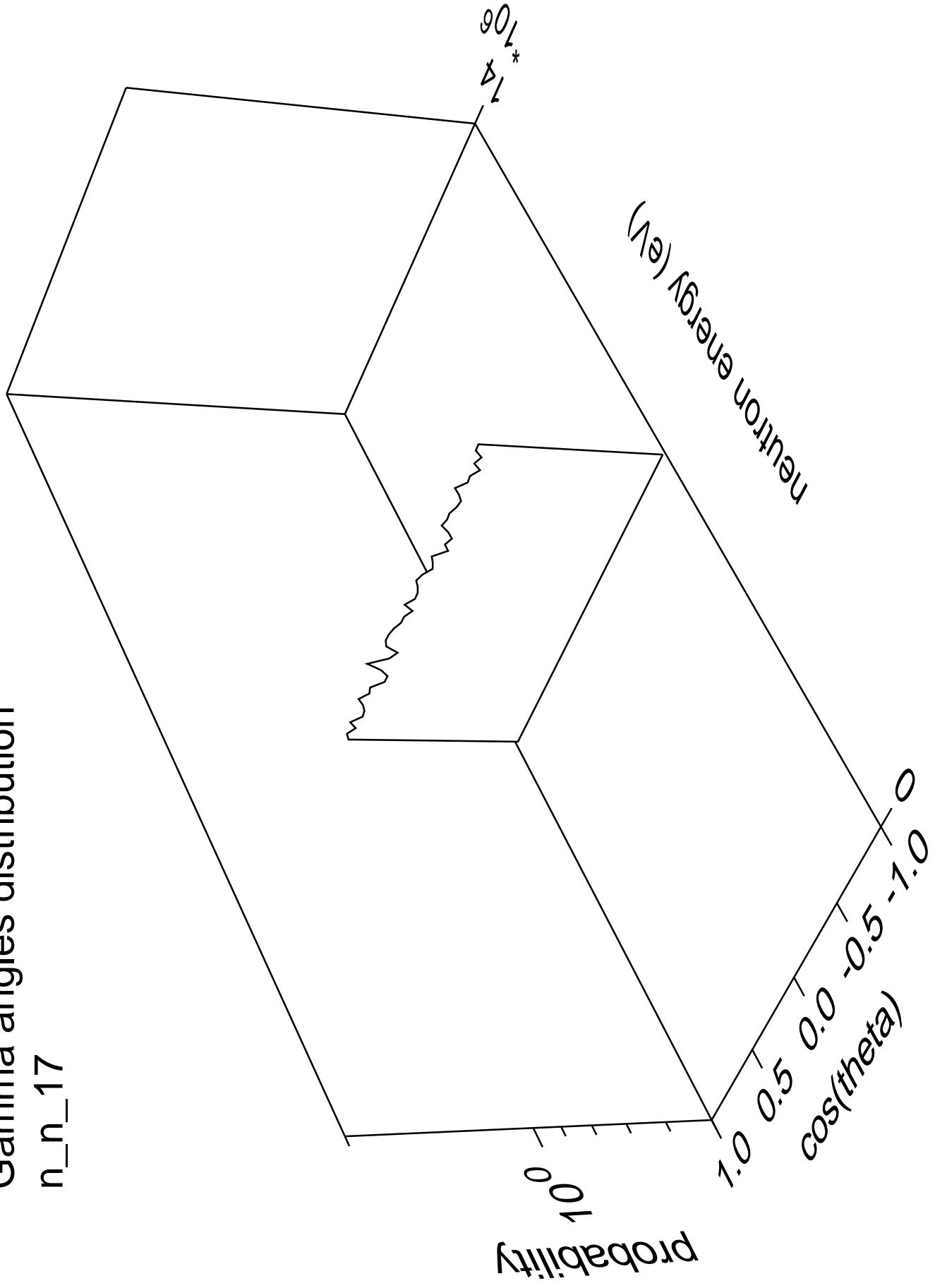


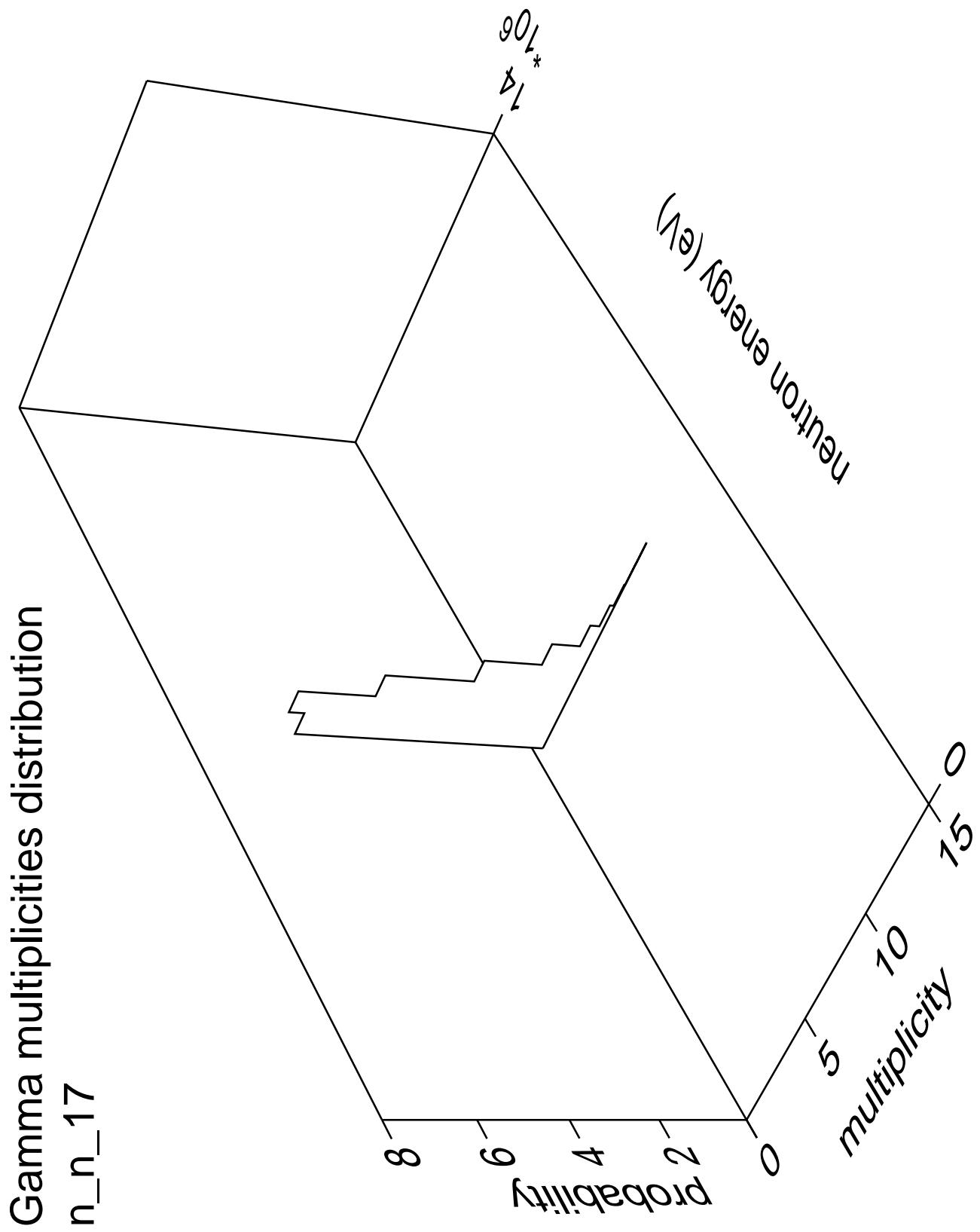




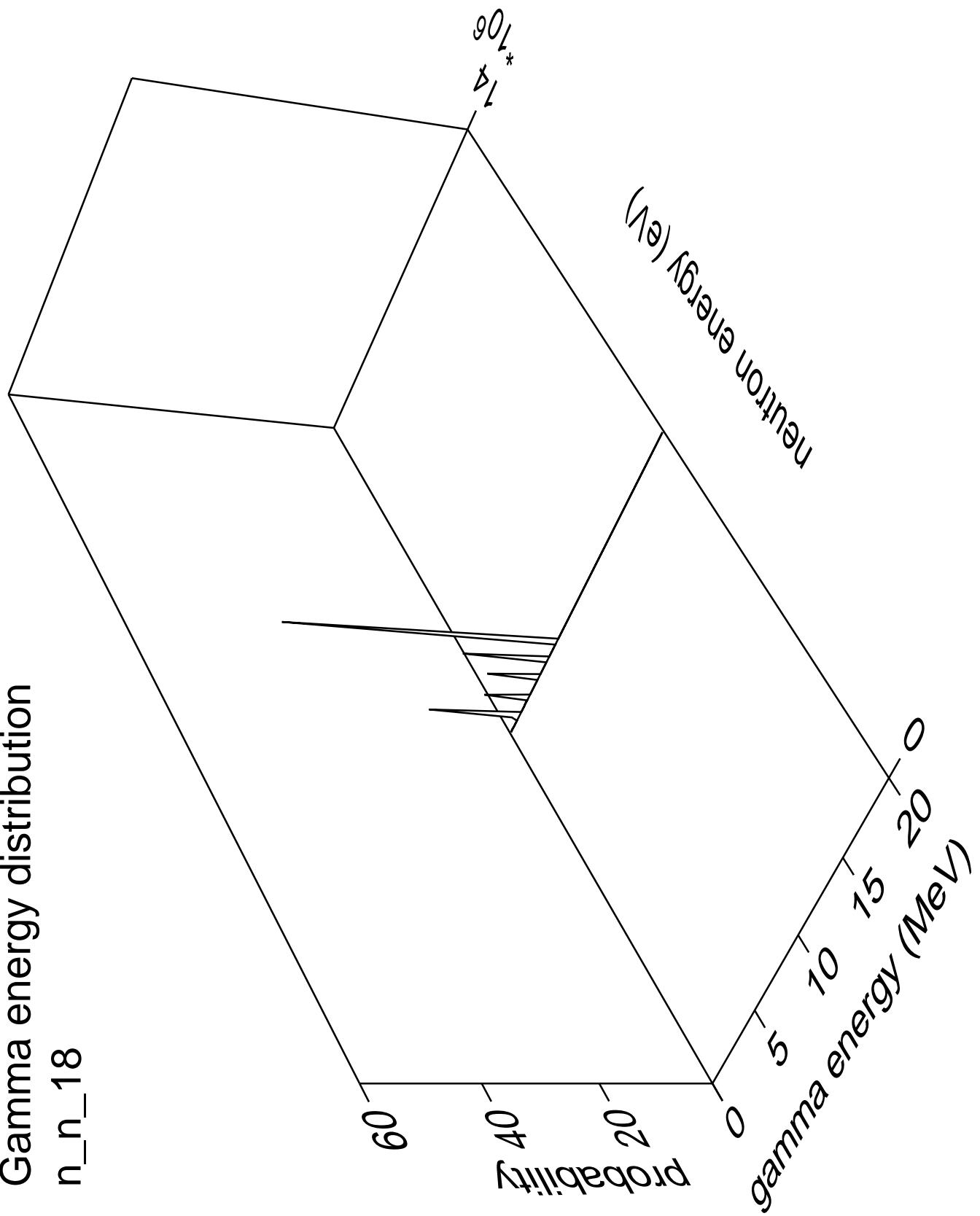
Gamma angles distribution

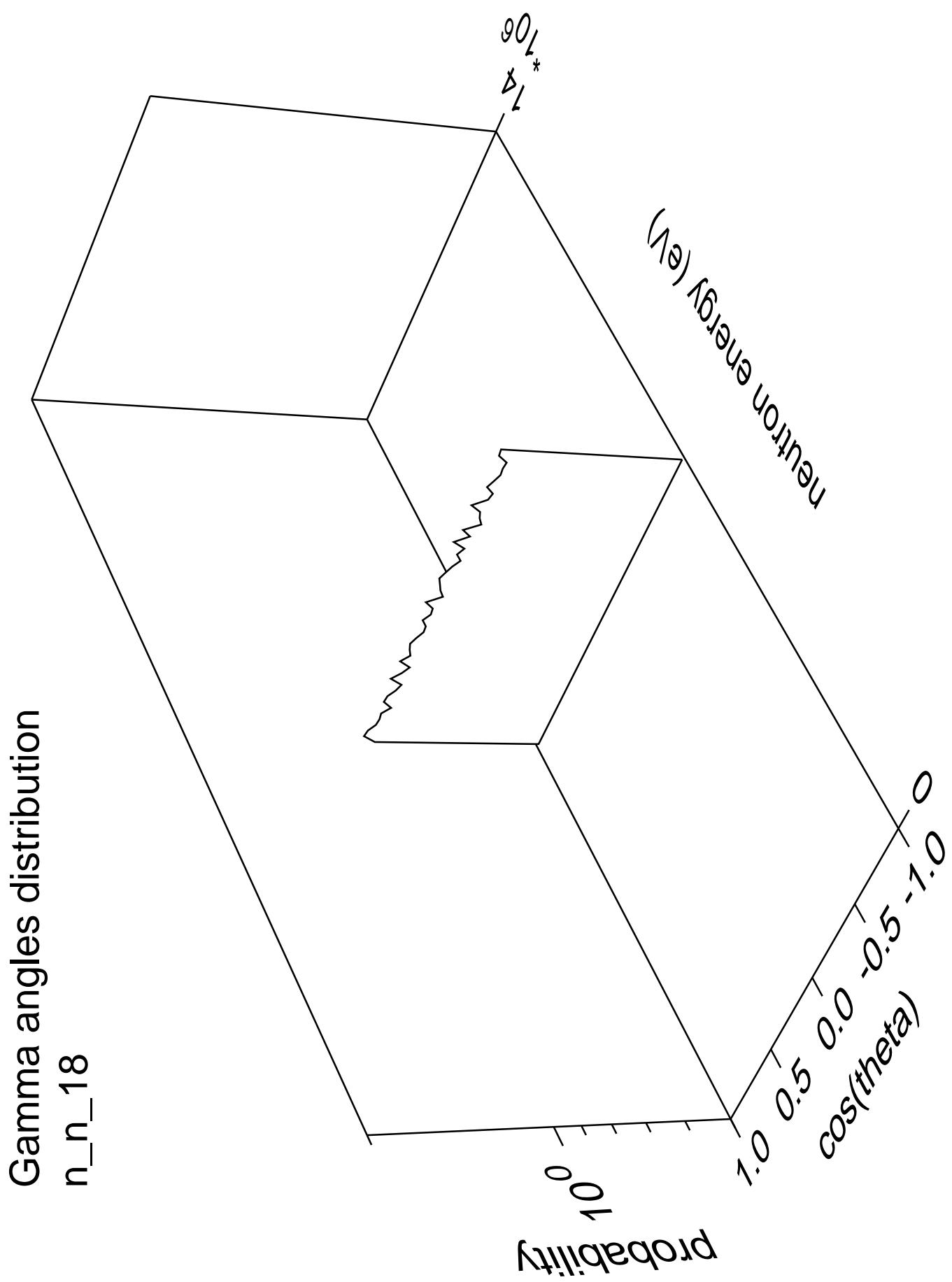
n_n_17



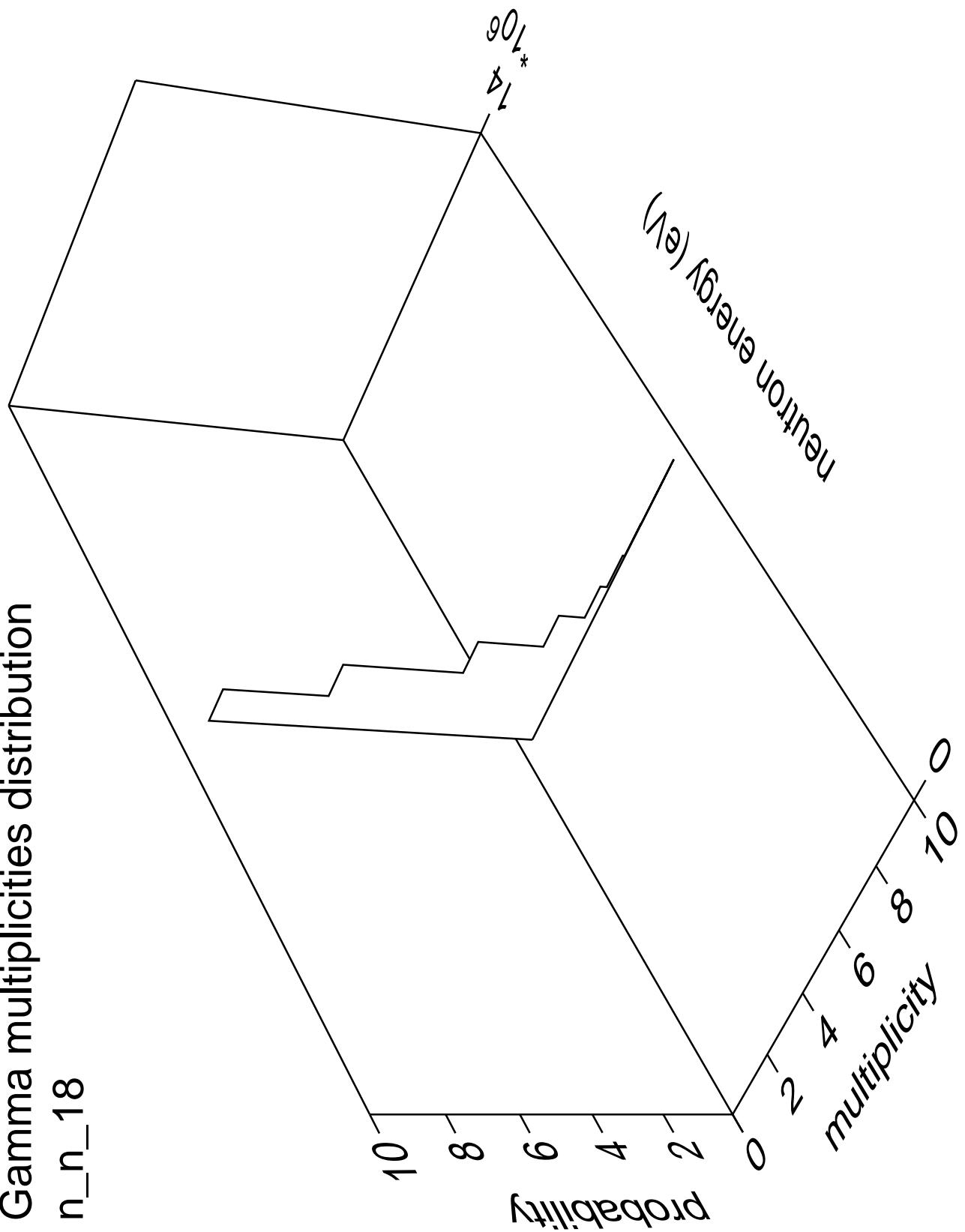


Gamma energy distribution n_{n_18}

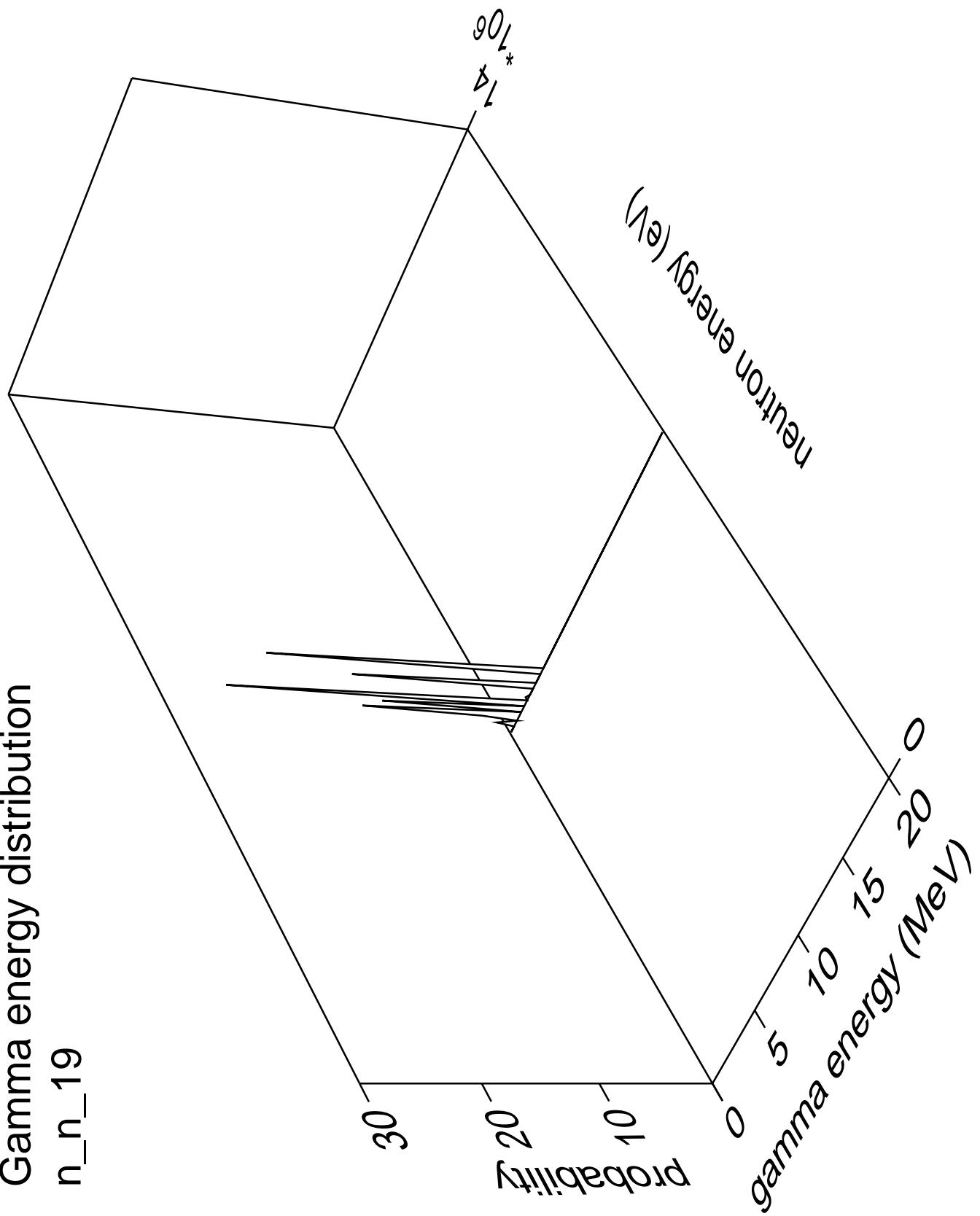




Gamma multiplicities distribution n_n_{18}



Gamma energy distribution n_n_19



Gamma angles distribution

n_n_19

Probability

10^0

Δ_{106}

Δ_{14}

$\cos(\theta)$

1.0

0.5

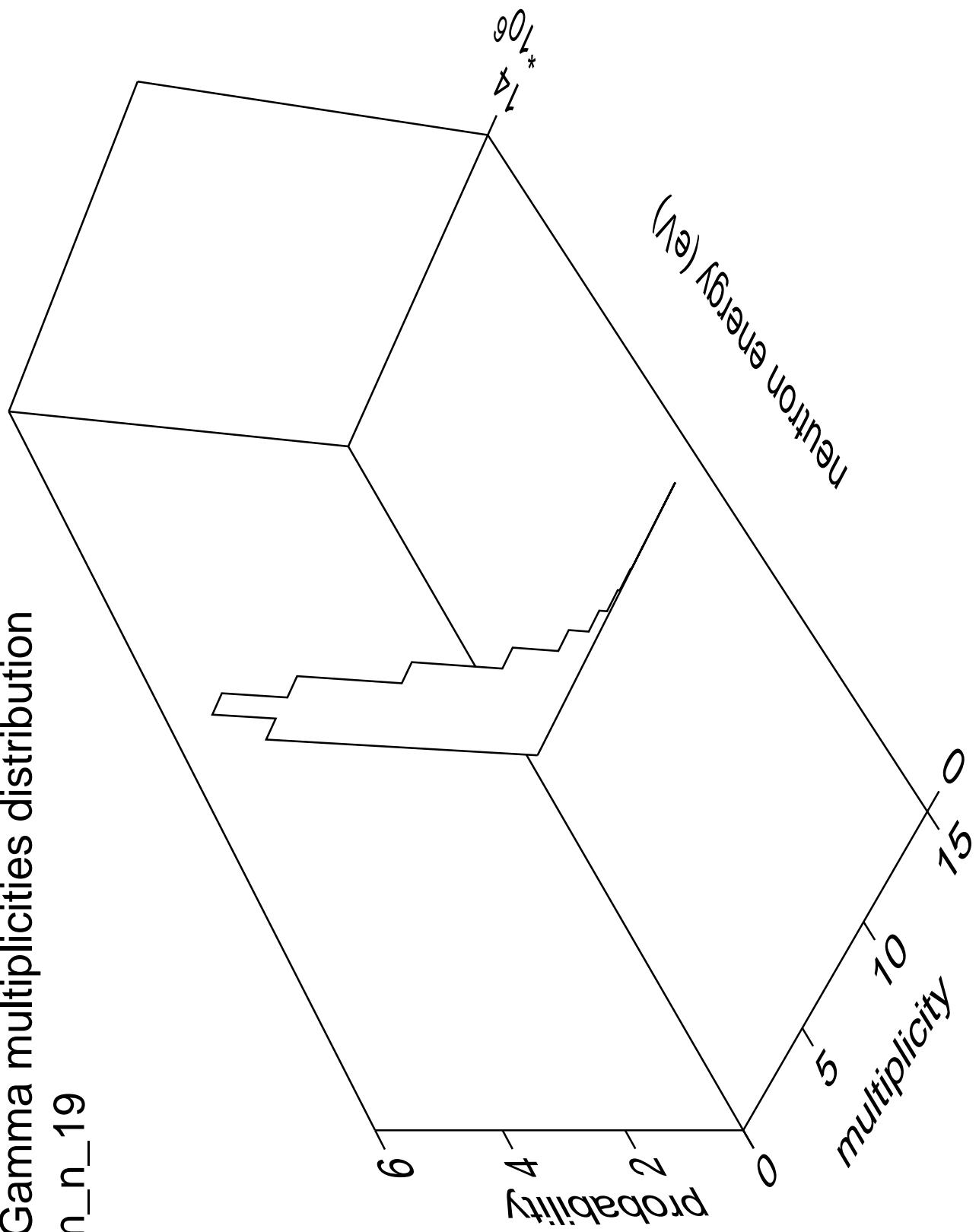
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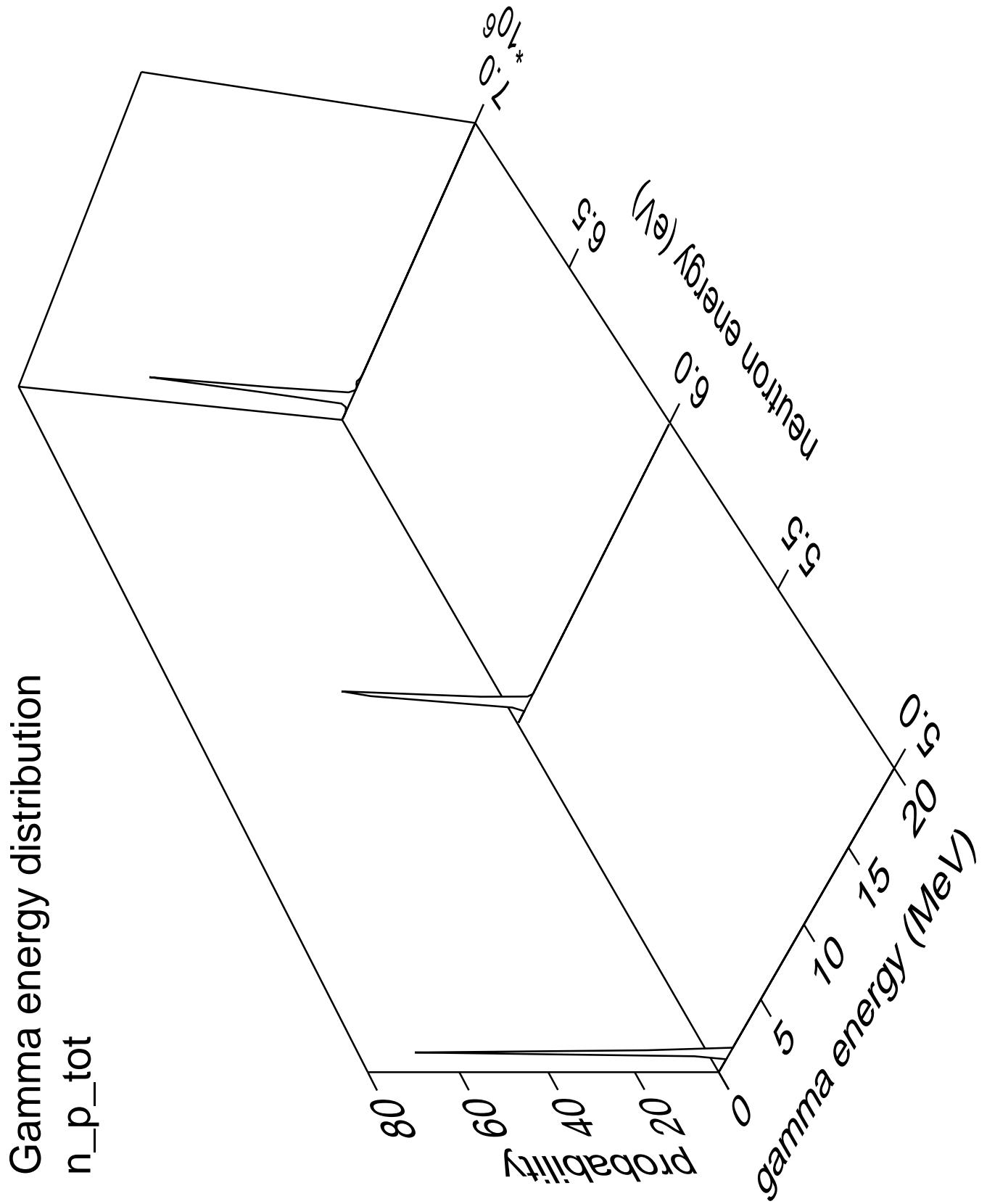
-0.5

-1.0

neutron energy (eV)

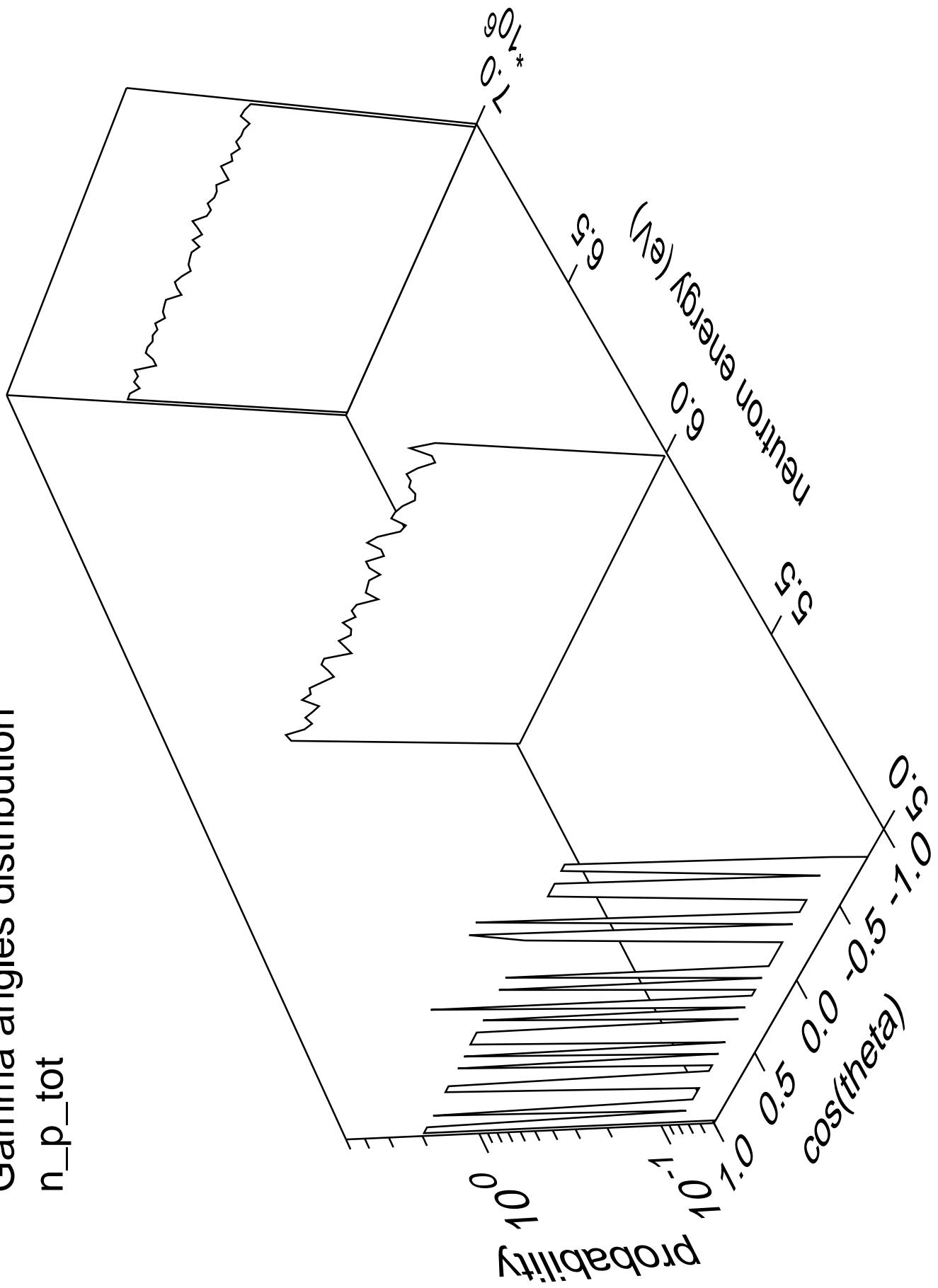
Gamma multiplicities distribution n_n_19

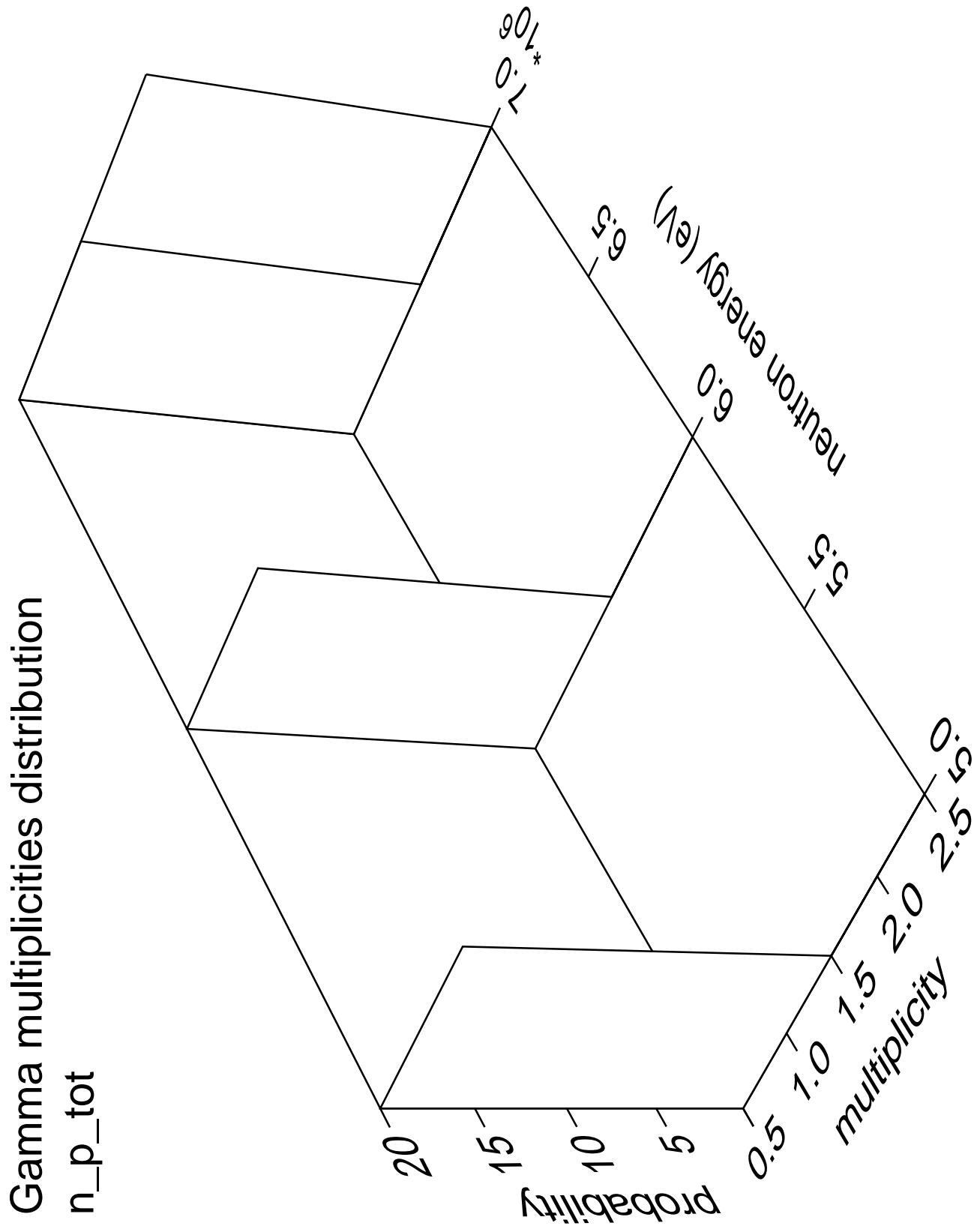




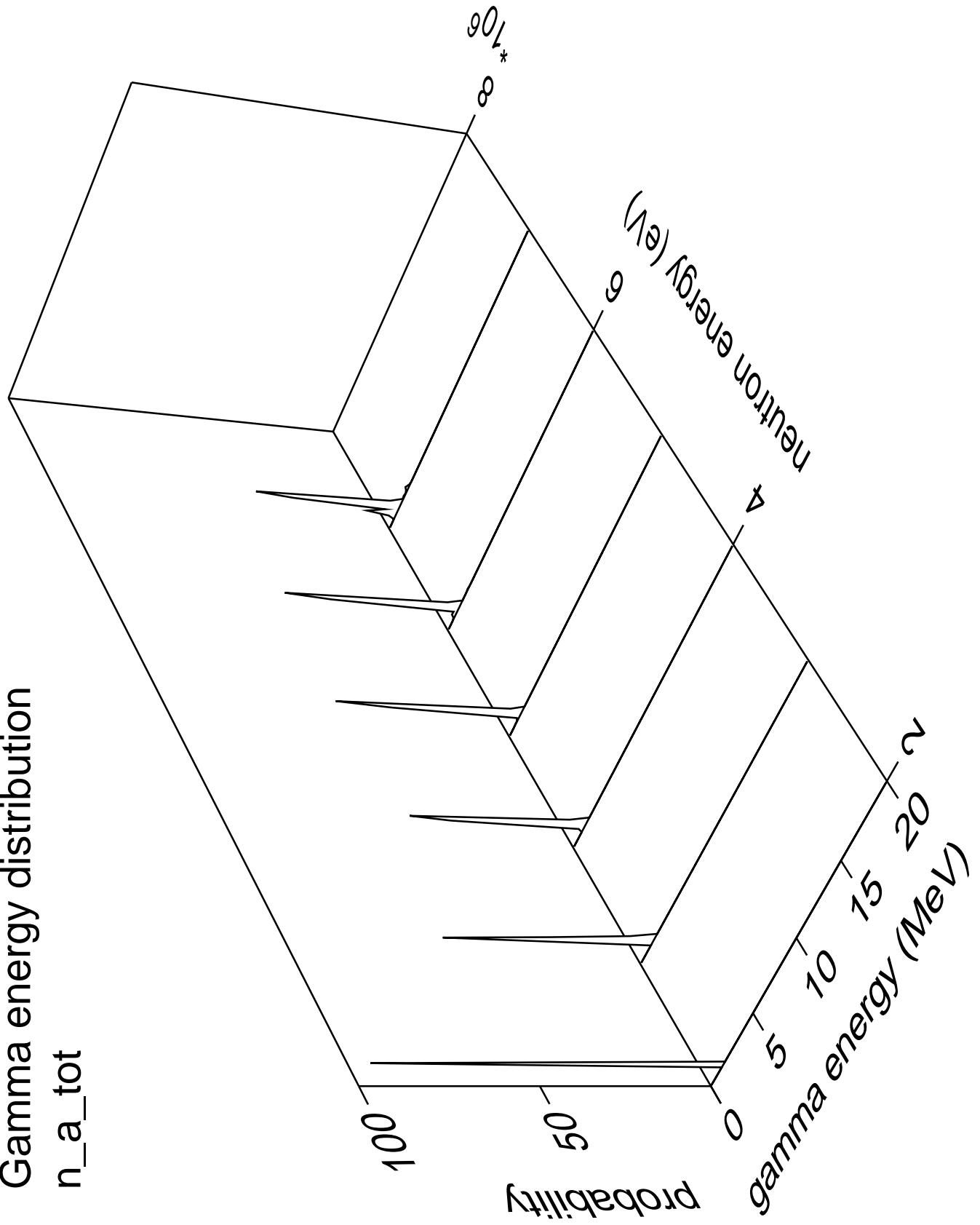
Gamma angles distribution

n_p_{tot}





Gamma energy distribution
 n_a_{tot}



Gamma angles distribution
 n_a_{tot}

